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U.S. Department of Transportation
Maritime Administration

Domestic Waterborne Trade of the United States 1975–1979

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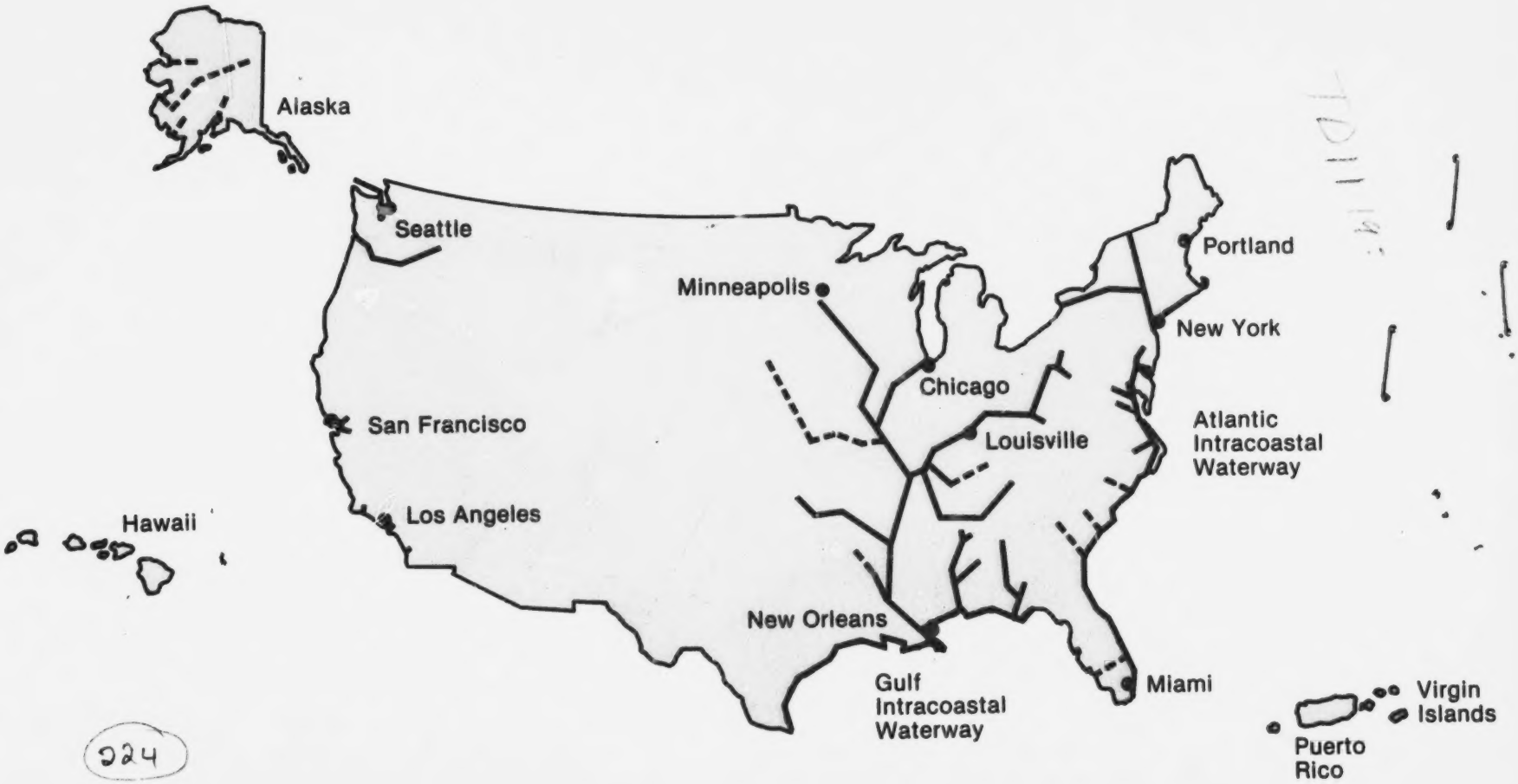

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Domestic Waterborne Trade of the United States
1975–1979

U.S. Department of Transportation
Drew Lewis, Secretary

Maritime Administration
Admiral H. E. Shear (USN-Ret.)
Maritime Administrator

Prepared by
Office of Domestic Shipping

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Introduction[1/]

I. General

The purposes of this publication are to exhibit the flow of domestic waterborne commerce in the United States and to increase awareness of its scale, diversity, and vitality.

Water is one of the major transportation modes for the movement of goods between cities within the continental United States and is the principal avenue of commerce for Alaska, Hawaii, Guam, Puerto Rico, and the U.S. Virgin Islands. Domestic trade may be classified as ocean, inland waterways, and Great Lakes, depending upon which waters were exclusively or jointly traversed during the movement. The total amount of domestic waterborne trade in 1979 was approximately 1,087 million short tons (2,000 lbs.), with 314 million tons or 29 percent on the ocean, 622 million tons or 57 percent on the inland waterways, and 151 million tons or 14 percent on the Great Lakes. Of the five transportation modes -- highway motor freight, railroads, airways, pipelines and water -- carriage by water accounts for approximately 18 percent of total intercity freight tonnage.

II. Operator Qualifications

For a carrier by water to qualify to operate in the domestic trades it must be a U.S. citizen; a corporation, association or partnership must have at least 75 percent of the controlling interest owned by U.S. citizens. The president or other chief executive officer and the chairman of the board of a corporation must be U.S. citizens; no more than a minority of the number of directors necessary to constitute a quorum may be non-citizens; and the corporation must be organized in the United States. The carrier's vessel(s) must be U.S. constructed and crewed with U.S. citizens. If the firm is a common carrier (i.e. offers scheduled service at published rates to any shipper), it must file a schedule or tariff of rates, charges, and conditions of carriage with the Federal regulatory agency which has economic regulatory jurisdiction.

1/ Portions of the material in this introductory section have been adapted from the publication "Big Load Afloat," issued by American Waterways Operators, Inc. and from a draft National Waterways Study report titled "Overview of Transportation Industry" prepared for the U.S. Army Corps of Engineers.

III. Nature of Operations

Water transportation operations vary widely among the three trade areas. The numbers, sizes and types of firms engaged in water transportation, the types of equipment used and the nature of the services provided are all influenced by the operating conditions and markets which prevail. Some specifics of shipping activity in each area are described in the following sections.

A. Domestic Ocean Shipping (Coastwise, Intercoastal, and Noncontiguous

Physical constraints to ocean operation include significant wave action, harbor depths, and vessel size limitations imposed by the Panama Canal (106'x900'x36') and harbor turning basins. Wave action has limited the speed of conventional barge operations (8-12 nautical miles per hour) and has resulted in most long-range commerce being carried in self-propelled vessels. Depth limitations in harbors and size restrictions at the Panama Canal have not affected the ability of the industry to meet demand but have limited economies of scale which might otherwise be attainable.

Virtually all the traffic in non-bulk goods among the contiguous states is moved by land transportation modes. Water transport is critical for all types of goods between the contiguous 48 states and Alaska, Hawaii, Guam, Puerto Rico and the Virgin Islands. Demand for non-bulk ships is defined by the size of these markets. There are currently five operators of service between the U.S. mainland and these non-contiguous states and territories which employ container or roll-on/roll-off (RO/RO) ships. The more prominent activity is that of tankships carrying crude petroleum and refined petroleum products among the mainland states and to and from the offshore states and territories. The opening of the Alaskan pipeline in 1977 made shipments of crude oil a major element in domestic ocean operations.

Although conditions in the ocean trade favor self-propelled vessel operations, barges are used to at least some degree on all trade routes. Tug and barge combinations have several advantages over self-propelled vessels -- lower labor costs, ability to penetrate shallow inlets and rivers, and better fuel economy. Nevertheless, wave action has remained a dominant design and operating consideration since it limits speed and maneuverability. This has led to the use of notched barges and integrated tug barge operations. Notched barges have an indentation in the stern for the insertion of the bow of a power vessel. This creates greater resistance to longitudinal movements between the barge and the power vessel and enhances control under adverse conditions. Such barges tend to be much larger than conventional barges used on the inland river system and Great Lakes; ocean barges in service today carry as much as 40,000 tons. In addition to providing flexibility in equipment use,

the tug/barge combination has lower crewing requirements than a ship, making it more economical. In an integrated tug/barge system, the two units remain joined -- either rigidly or semi-rigidly -- throughout the voyage, while ordinary notched barges must revert to hawser towing in other than calm seas.

There are hundreds of ocean tug and barge operators but only about a dozen large ones. They serve all seacoasts and the offshore states and territories with dry cargo, tank and specialty barges (eg. liquefied gas, railcar, and RO/RO).

Regulatory jurisdiction over the ocean trade is limited to non-bulk commodities and is divided between two agencies. Jurisdiction over traffic between ports in the contiguous 48 states resides with the Interstate Commerce Commission. Jurisdiction over traffic between the contiguous 48 states and Alaska, Hawaii, Guam, Puerto Rico, and the U.S. Virgin Islands rests with the Federal Maritime Commission. However, the Interstate Commerce Commission has jurisdiction over common carriers by water offering service at joint motor/water or joint rail/water rates between points on the U.S. mainland and points in Alaska and Hawaii. Regulation covers about four percent of total domestic ocean traffic.

B. Inland River Shipping

The inland waterways of the United States can be divided into at least nine major waterway systems: (1) Atlantic Intracoastal; (2) Gulf Intracoastal; (3) Mississippi River and its tributaries; (4) Ohio River and its tributaries; (5) McClellan-Kerr Arkansas River; (6) Illinois River; (7) New York State Barge Canal; (8) Black Warrior, Warrior and Tombigbee Rivers, and (9) Columbia-Snake Rivers.

Most freight moving on U.S. inland waterways is carried in unmanned, non-self-propelled barges having drafts of up to nine feet. Barges are lashed together in groups or strings and moved by towing vessels, either a towboat pushing them ahead or a tug pulling them on a hawser. This positioning of the power and the use of multi-barge tows is feasible because of the absence of significant wave action. Self-propelled barges are used primarily on the New York State Barge Canal, since the small size of the locks and low level of traffic do not make practical the use of a separate towing vessel.

Barges are designed for carrying specific kinds of cargo. The open hopper barge is used primarily for dry bulk commodities not susceptible to weather damage, for example, sand, gravel, or coal. Covered hopper barges are used for grains and other commodities that need to be protected. Deck barges are used for transporting vehicles or heavy equipment. Tank barges are used for liquid commodities such as petroleum and hazardous materials, while cylindrical tank barges carry various gases under pressure or refrigeration. The typical

inland waterway barge is 195 feet long, 35 feet wide with a draft of nine feet when fully loaded. Its capacity is approximately 1500 short tons.

Towboats in use on the inland rivers range in size from those of a few hundred horsepower to very large boats of 10,500 horsepower, with the most common sizes being 2,000, 4,000, and 6,000 horsepower. The trend has been to use larger boats in larger tows, thus, the larger boats also tend to be newer. Average horsepower of the fleet is approximately 1,700 and average age is less than 15 years, indicating a growing fleet with many new additions. The average fleet horsepower should continue to increase as more boats in the 3,000 to 7,000 horsepower range are introduced.

Over 1,800 companies are engaged in commercial operations on the inland waters. They employ some 25,000 dry cargo barges; about 3,800 tank barges; and approximately 4,400 towboats. The commodities particularly attracted to inland waterborne transportation are raw materials and intermediate products moving in large quantities from one stage of production and processing to the next stage of finishing. Barge transportation is an essential part of our mass production and marketing processes. Increasing demand for service has stimulated improvement of channels, equipment, and technology of operations. Barge service is the lowest cost mode of transportation for the commodities to which it is adaptable.

The Transportation Act of 1940 gave authority to the Interstate Commerce Commission to regulate rates and entry into the industry. However, bulk commodities were exempted from regulation. Thus, only about 14 percent of inland waterway trade is subject to economic regulation. Regulated commerce consists primarily of iron and steel products and general commodities.

C. Great Lakes Shipping

Water transportation on the Great Lakes uses both barges and self-propelled vessels, relying primarily on the latter since the wave action on these large bodies of water precludes close-linked multi-barge tows such as those on the rivers. Compared to those of the inland waterway system, the barges operating on the Great Lakes are much fewer in number with less fleet capacity. Average capacity is greater for all types of barges, however, indicating that lock dimensions are less of a constraint on barge size. There is a virtual absence of covered hopper barges in the Great Lakes fleet since grain is carried in self-propelled lake bulkers. Barge tows are smaller than those on the rivers and most barges are used for relatively short hauls close to the shore. Tugs and towboats in use on the Great Lakes are, on the average, both smaller and older than those in use on the rivers. The average size is about 1,300 horsepower and the average age about 24 years. This is consistent with the smaller number of barges per tow on the Lakes and the relatively stable market for Lakes shipping.

The number of vessels and total capacity have decreased since World War II, with slightly under 600 vessels currently in the fleet. About 150 of these are self-propelled dry and liquid bulk carriers, with the remainder consisting of small passenger vessels, tugs, barges, ferries, dredges, railroad car floats and miscellaneous small cargo vessels. However, average self-propelled vessel size has increased substantially as older vessels are replaced with larger new ones, including several of 1,000 foot length and over 60,000 tons capacity. Navigation season extension programs of recent years have permitted increased vessel utilization, allowing fewer vessels to handle the same amount of commerce. The only vessel type which has experienced an increase in aggregate capacity since World War II is the self-unloader, which reduces vessel turnaround times and enables them to call at ports with limited or no unloading facilities.

The fleet is oriented primarily to the needs of the steel industry and electric utilities. Ore, coal, and limestone accounted for about 84 percent of domestic lakes commerce in 1979. There are about 125 carriers, operating in a stable environment, including 26 running self-propelled dry and liquid bulk vessels who are oriented to the unique logistics requirements of major shippers on specific limited trade lanes. In a number of cases, shippers themselves own large fleets of vessels. Less than one percent of Great Lakes domestic traffic is subject to ICC regulation since bulk commodities are exempt.

IV. Acknowledgement

The basic data processed in compiling this publication are provided to the Maritime Administration principally by the Corps of Engineers, Department of the Army. Other sources include the Research and Special Programs Administration, Department of Transportation and the Transportation Association of America (intercity freight by mode).

DEFINITIONS

Domestic Oceanborne and Great Lakes Geographical Areas are used to categorize tonnages shipped between ports within the Domestic Oceanborne and Great Lakes trade. These areas are:

North Atlantic - Maine to Virginia/North Carolina state line

South Atlantic - Virginia/North Carolina state line to Key West, Florida

Gulf - Key West, Florida to the border of Mexico

California - California

Pacific Northwest - Washington and Oregon

Great Lakes - all United States ports in the Great Lakes system

Hawaii - all ports in the Hawaiian Islands

Alaska - all ports in Alaska and the Aleutian Islands

Puerto Rico - Puerto Rico and the Virgin Islands

Other Pacific Islands - Wake, Guam, Midway and other island possessions and protectorates in the Pacific Ocean

Domestic Trade includes all movements of commercial and military cargoes in commercial vessels within and between the three trade areas of Domestic Oceans, Great Lakes and Inland Waterways. Excluded are military cargoes moving in Department of Defense vessels.

Domestic Oceans trade is comprised of three areas: noncontiguous, coastwise, and intercoastal.

Noncontiguous includes trade between the United States mainland and Alaska, Hawaii, Puerto Rico, Virgin Islands, and trust territories. (Virgin Islands trade is included although they are not subject to the Jones Act.)

Coastwise includes trade within the Atlantic, Gulf, and Pacific coasts. It also includes trade between the Great Lakes, Atlantic and Gulf coasts.

Intercoastal includes trade in interstate commerce of the United States by way of the Panama Canal.

Inland Waterways trade includes shipments on the Atlantic and Gulf coast intracoastal waterways, the Mississippi River System and Pacific coast waterways.

Great Lakes domestic trade includes shipments within the territorial limits of the United States on Lakes Superior, Michigan, Huron, Erie and Ontario. Foreign trade from the Great Lakes is divided into two categories: translakes and other foreign. Trade between the United States Great Lakes ports and Canadian ports extending from the Great Lakes to the St. Lawrence Seaway is considered "translake trade." Trade outside the St. Lawrence Seaway with Canada and all other foreign countries is considered "other foreign trade."

Dry and Tank refers to a type of vessel, whether self-propelled or non-self-propelled, capable of handling such cargoes.

Inland Waterway Geographical Areas are used to categorize tonnage shipped between ports within the Inland Waterways trade.

Northeastern - New York State Barge Canal and points from Maine to Northern New Jersey.

Atlantic Inland Waterways - Philadelphia and Southern New Jersey to Key West, Florida.

Gulf Inland Waterways - St. Marks, Florida to Brownsville, Texas.

Lower Mississippi - New Orleans, Louisiana to Ohio River/Mississippi River junction.

Upper Mississippi - St. Louis, Missouri to Minneapolis, Minnesota.

Ohio and Trib. - Ohio River and Mississippi River junction to Pittsburgh, Pennsylvania.

California - Los Angeles, Sacramento and San Francisco areas.

Pacific Northwest - Portland, Oregon, Seattle and Walla Walla, Washington areas.

Great Lakes - Lakes Ontario, Erie, Huron Michigan and Superior.

Non-self-propelled Vessels are commonly referred to as barges, and are generally pushed or pulled by an external power source.

Short ton equals 2,000 pounds.

DEFINITIONS

Commodity Classifications are assigned by the Corps of Engineers in conformance with the "commodity classifications for shipping statistics" prepared by the Interagency Committee on Shipping Statistics. The principal commodities listed in Table Six are based on a four digit description. The Inland Waterways statistical tables are based on a two digit group description. Only major groups transported on the Inland Waterways are included with the remaining groups classified as other. The following list provides these classifications.

Group 01 - Farm Products

Code No.	Item Name
0101	Cotton, raw
0102	Barley and rye
0103	Corn
0104	Oats
0105	Rice
0106	Sorghum grains
0107	Wheat
0111	Soybeans
0112	Flaxseed
0119	Oilseeds, not elsewhere classified
0121	Tobacco, leaf
0122	Hay and fodder
0129	Field crops, not elsewhere classified
0131	Fresh fruits and tree nuts, including imported bananas and plantains
0132	Bananas and plantains
0133	Coffee, green and roasted, (including instant)
0134	Cocoa beans
0141	Fresh and frozen vegetables
0151	Live animals (livestock), except zoo animals, cats, dogs, etc.
0161	Animals and animal products, not elsewhere classified
0191	Miscellaneous farm products

Group 08 - Forest Products

Code No.	Item Name
0841	Crude rubber and allied gums
0861	Forest products, not elsewhere classified

Group 09 - Fresh Fish and Other Marine Products

Code No.	Item Name
0911	Fresh fish, except shellfish
0912	Shellfish, except prepared or preserved
0913	Menhaden
0931	Marine shells, unmanufactured

Group 10 - Metallic Ores

Code No.	Item Name
1011	Iron ore and concentrates
1021	Copper ore and concentrates
1051	Bauxite and other aluminum ores and concentrates
1061	Manganese ores and concentrates
1091	Nonferrous metal ores and concentrates, not elsewhere classified

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Group 11 - Coal

Code No.	Item Name
1121	Coal and lignite

Group 13 - Crude Petroleum

Code No.	Item Name
1311	Crude Petroleum

Group 14 - Nonmetallic Minerals, Except Fuels

Code No.	Item Name
1411	Limestone flux and calcareous stone
1412	Building stone, unworked
1442	Sand, gravel and crushed rock
1451	Clay, ceramic and refractory materials
1471	Phosphate rock
1479	Natural fertilizer materials, not elswhere classified
1491	Salt
1492	Sulphur, dry
1493	Sulphur, liquid
1494	Gypsum, crude and plasters
1499	Nonmetallic minerals, except fuels, not elsewhere classified

Group 19 - Ordnance and Accessories

Code No.	Item Name
1911	Ordnance and accessories

Group 20 - Food and Kindred Products

Code No.	Item Name
2011	Meat, fresh, chilled or frozen
2012	Meat and meat products prepared or preserved, including canned meat products
2014	Tallow, animal fats and oils
2015	Animal by-products, not elsewhere classified
2021	Dairy products, except dried milk and cream
2022	Dried milk and cream
2031	Fish and fish products, including shellfish, prepared or preserved
2034	Vegetables and preparations, canned and otherwise prepared and preserved
2039	Fruits and fruit and vegetable juices, canned and otherwise prepared or preserved
2041	Wheat flour and semolina
2042	Prepared animal feeds
2049	Grain mill products, not elsewhere classified
2061	Sugar
2062	Molasses
2081	Alcoholic beverages
2091	Vegetable oils, all grades; margarine and shortening
2092	Animal oils and fats, not elsewhere classified, including marine
2094	Groceries
2095	Ice
2099	Miscellaneous food products

Group 21 - Tobacco Products

Code No.	Item Name
2111	Tobacco manufactures

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Group 22 - Basic Textiles

Code No.	Item Name
2211	Basic textile products, except textile fibers
2212	Textile fibers, not elsewhere classified

Group 23 - Apparel and Other Finished Textile Products, Including Knit

2311	Apparel and other finished textile products, including knit

Group 24 - Lumber and Wood Products, Except Furniture

2411	Logs
2412	Rafted logs
2413	Fuel wood, charcoal, and wastes
2414	Timber, posts, poles, piling, and other wood in the rough
2415	Pulpwood, log
2416	Wood chips, staves, moldings, and excelsior
2421	Lumber
2431	Veneer, plywood, and other worked wood
2491	Wood manufactures, not elsewhere classified

Group 25 - Furniture and Fixtures

2511	Furniture and fixtures

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Group 26 - Pulp, Paper and Allied Products

Code No.	Item Name
2611	Pulp
2621	Standard newsprint paper
2631	Paper and paperboard
2691	Pulp, paper and paperboard products, not elsewhere classified

Group 27 - Printed Matter

2711	Printed Matter

Group 28 - Chemicals and Allied Products

2810	Sodium hydroxide (caustic soda)
2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
2812	Dyes, organic pigment, dyeing and tanning materials
2813	Alcohols
2816	Radioactive and associated materials, including wastes
2817	Benzene and toluene, crude and commercially pure
2818	Sulphuric acid
2819	Basic chemicals and basic chemical products, not elsewhere classified
2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
2822	Synthetic rubber
2823	Synthetic (man-made) fiber

Code No.	Item Name
2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics and other toilet preparations
2851	Paints, varnishes, lacquers, enamels, and allied products
2861	Gum and wood chemicals
2871	Nitrogenous chemical fertilizers, except mixtures
2872	Potassic chemical fertilizers, except mixtures
2873	Phosphatic chemical fertilizers, except mixtures
2876	Insecticides, fungicides, pesticides, and disinfectants
2879	Fertilizers and fertilizer materials, not elsewhere classified
2891	Miscellaneous chemical products
	Group 29 - Petroleum and Coal Products
2911	Gasoline, including natural gasoline
2912	Jet fuel
2913	Kerosene
2914	Distillate fuel oil
2915	Residual fuel oil
2916	Lubricating oils and grease
2917	Naphtha, mineral spirits, solvents, not elsewhere classified
2918	Asphalt, tar, and pitches
2920	Coke, including petroleum coke
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids
2951	Asphalt building materials
2991	Petroleum and coal products, not elsewhere classified

Code No.	Item Name
	Group 30 - Rubber and Miscellaneous Plastics Products
3011	Rubber and miscellaneous plastics products
	Group 31 - Leather and Leather Products
3111	Leather and leather products
	Group 32 - Stone, Clay, Glass, and Concrete Products
3211	Glass and glass products
3241	Building cement
3251	Structural clay products, including refractories
3271	Lime
3281	Cut stone and stone products
3291	Miscellaneous nonmetallic mineral products
	Group 33 - Primary Metal Products
3311	Pig iron
3312	Slag
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling
3316	Iron and steel plates and sheets
3317	Iron and steel pipe and tube
3318	Ferroalloys

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Code No.	Item Name
3319	Primary iron and steel products, not elsewhere classified, including castings in the rough
3321	Nonferrous metals primary smelter products, basic shapes, wire, castings and forgings, except copper, lead, zinc and aluminum
3322	Copper and copper alloys, whether or not refined, unworked
3323	Lead and zinc including alloys, unworked
3324	Aluminum and aluminum alloys, unworked
	Group 34 - Fabricated Metal Products, Except Ordnance, Machinery, and Transportation Equipment
3411	Fabricated metal products, except ordnance, machinery, and transportation equipment
	Group 35 - Machinery, Except Electrical
3511	Machinery, except electrical
	Group 36 - Electrical Machinery, Equipment and Supplies
3611	Electrical machinery, equipment and supplies
	Group 37 - Transportation Equipment
3711	Motor vehicles, parts and equipment
3721	Aircraft and parts
3731	Ships and boats
3791	Miscellaneous transportation equipment

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Code No.	Item Name
	Group 38 - Instruments, Photographic and Optical Goods, Watches and Clocks
3811	Instruments, photographic and optical goods, watches and clocks
	Group 39 - Miscellaneous Products of Manufacturing
3911	Miscellaneous products of manufacturing
	Group 40 - Waste and Scrap Materials
4011	Iron and steel scrap
4012	Nonferrous metal scrap
4022	Textile waste, scrap, and sweepings
4024	Paper waste and scrap
4029	Waste and scrap, not elsewhere classified
	Group 41 - Special Items
4111	Water
4112	Miscellaneous shipments not identifiable by commodity
4113	LCL freight
4118	Materials used in waterway improvement, Government materials
9999	*Department of Defense controlled cargo and special category items

* Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U. S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SC) for which commodity detail is not furnished to the Corps of Engineers.

Basic Vessel Types Used in Domestic Ocean Commerce

Containership - Carries cargo in special intermodal cargo containers which are stowed below deck in specially fitted holds and stacked on deck several units high. Popular container sizes are 8'x8'x20' and 8'x8'x40', although other lengths are also used. Loading and unloading are accomplished by shoreside travelling crane or, occasionally, by shipboard gantry crane. Sometimes referred to as "lift-on/lift-off" vessel. Twenty-six are presently in domestic service.

Trailership - Carries wheeled or tracked vehicles, including loaded highway trailers. Vehicles are driven aboard over ramps which are either integral to the ship's hull or are stored ashore. Vertical movement on board is via built-in ramps connecting the several decks. Often referred to as "roll-on/roll-off or RO/RO" vessel. Nine are presently in domestic service.

Tankship - Carries liquid cargo in bulk, stowed in cargo tanks within vessel hull. Cargo is pumped aboard by a shore terminal and unloaded using vessel's installed pumping system. Some of the largest and newest vessels used in domestic commerce, sizes range from 16,000 to 190,000 deadweight tons. Commonly referred to as "tanker." Approximately 180 are presently in domestic service.

Bulk Carrier - Carries dry cargo in bulk, stowed in cargo holds within vessel hull. Cargo is poured aboard from elevator spouts, conveyor belts or slurry pipelines. It is unloaded using grab buckets, conveyor systems or vacuum equipment. Only nine vessels, mostly converted tankships, are presently eligible for domestic service. Commonly referred to as "dry bulker."

Barge - All of the functions performed by ships are also performed by barges, although typically on shorter voyages. Containers are fed to and from major container ports by feeder barges; trailers and other vehicles move between the mainland and offshore states and territories on triple-deck RO/RO barges; petroleum, chemicals and other bulk liquids move along the coasts in tank barges; and dry bulk commodities such as coal and phosphate rock are shipped across the Gulf of Mexico in hopper barges. Additional functions, exclusive to barges, are the ocean movement of railcars from Washington state to Alaska and carriage of unitized break-bulk cargo between the U.S. Gulf Coast and Puerto Rico. Oceangoing barges number nearly a thousand.

Passenger Vessels - Domestic passenger service, other than short-haul ferry, is limited. However, two operators offer coastwise and river system cruises with small cruise vessels accommodating about 100 passengers each. One operator provides cruises within the Hawaiian Islands, using a refurbished trans-Atlantic passenger liner. The State of Alaska seasonally operates several large passenger/vehicle ferries between Seattle and points in southeastern Alaska, plus service between points in and around Cook Inlet and Prince William Sound.

Some Useful Ship Tonnage Terms

Displacement, light - The weight of a vessel in long tons of 2,240 pounds, excluding the weight of cargo, passengers, crew, fuel, water, stores, and dunnage but including the weight of boiler feed water.

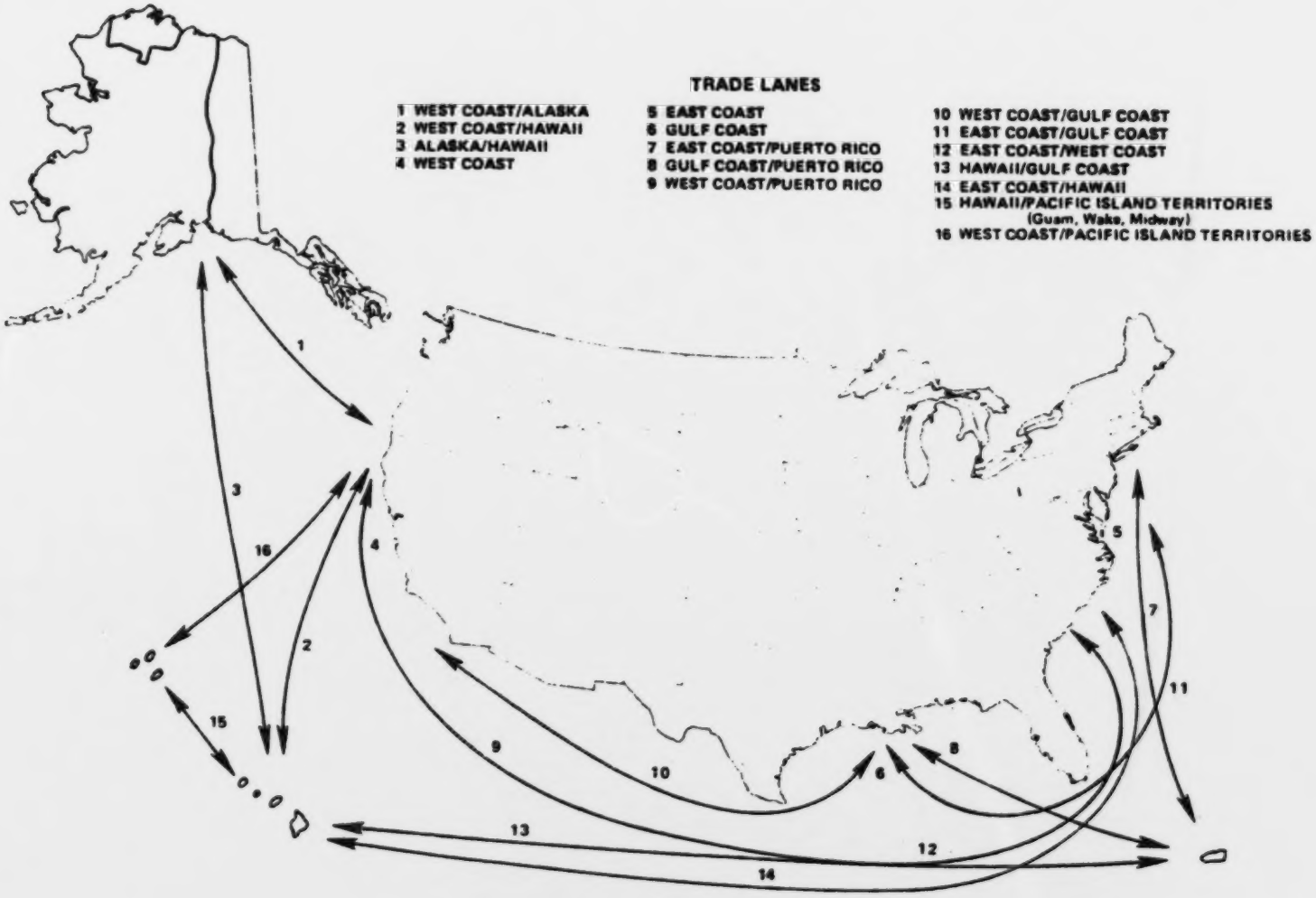
Displacement, loaded - The weight of a vessel in long tons of 2,240 pounds, including the weight of cargo, passengers, crew, fuel, water, stores, dunnage and boiler feed water such as to bring the vessel down to its maximum draft.

Deadweight Tonnage - The carrying capacity of a vessel in long tons of 2,240 pounds. It is the difference between displacement, light and displacement, loaded.

Cargo Deadweight Tonnage - The cargo carrying capacity of a vessel in long tons of 2,240 pounds. It is the difference between deadweight tonnage and the combined weight of passengers, crew, fuel, water, stores, dunnage and boiler feed water.

Gross Tonnage - The entire internal cubic capacity of a vessel, expressed in tons of 100 cubic feet, exclusive of the cubic capacity of certain ballast tanks; ship control spaces such as bridge, condenser, anchor gear room, steering gear room; and galley and passenger cabins.

Net Tonnage - The gross tonnage of a vessel minus crew spaces, navigating spaces and part of the engine spaces.



DOMESTIC WATERBORNE TRADE LANES

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COMMERCIALLY NAVIGABLE WATERWAYS OF THE UNITED STATES

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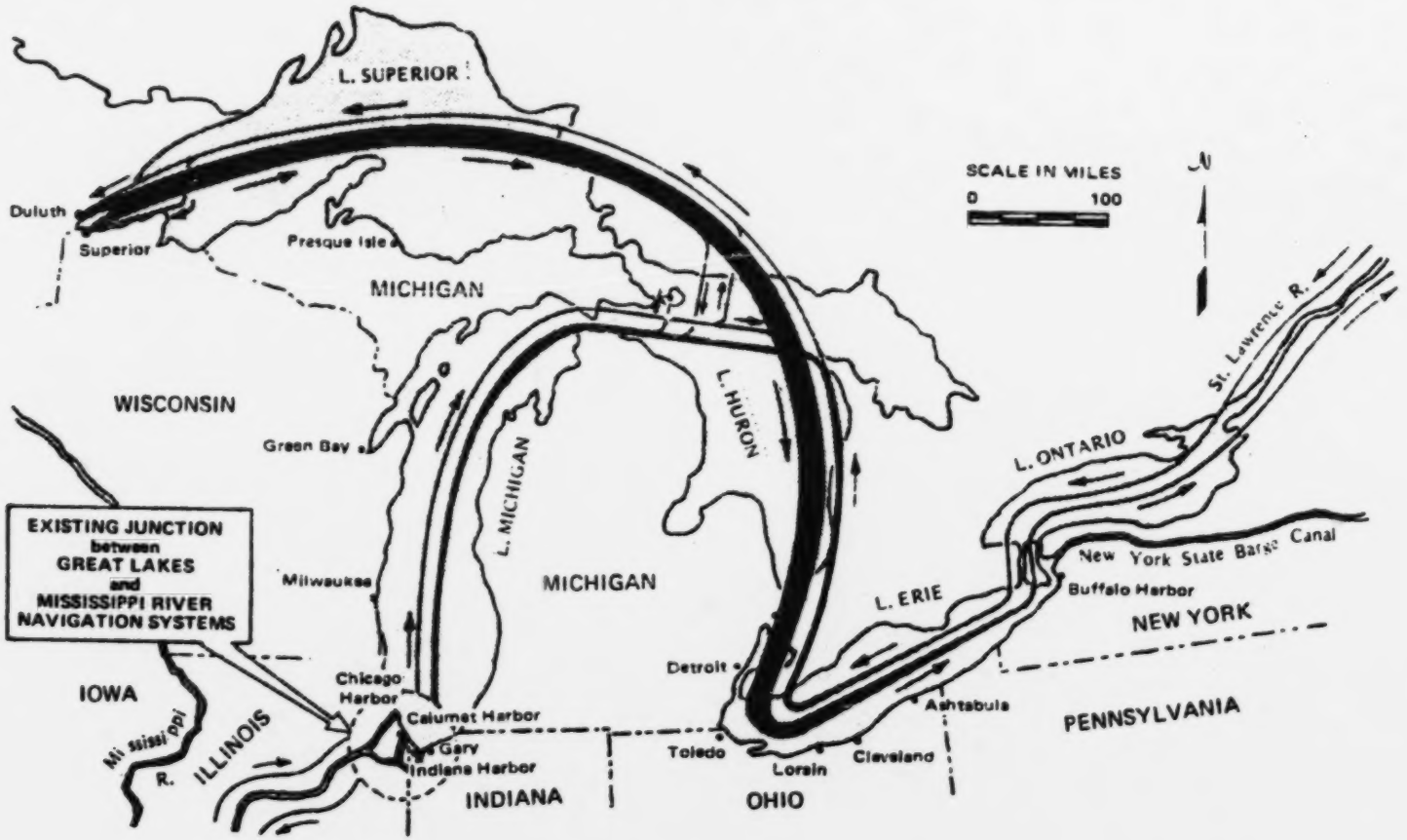

GREAT LAKES NAVIGATION SYSTEM DOMESTIC FREIGHT TRANSPORT

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PART ONE

PROFILE

INTERCITY FREIGHT BY MODE

(Thousands of Short Tons and Percentage By Mode)

	1975	1976	1977	1978	1979
Domestic Waterborne	954,172 (19%)	985,537 (18%)	972,203 (17%)	1,092,765 (19%)	1,087,613 (18%)
Rail	1,477,000 (29%)	1,477,000 (28%)	1,463,000 (26%)	1,481,000 (25%)	1,560,000 (17%)
Truck	1,744,000 (35%)	1,974,000 (37%)	2,143,000 (39%)	2,260,000 (38%)	2,240,000 (38%)
Pipeline	879,000 (17%)	934,000 (17%)	986,000 (18%)	1,032,000 (18%)	978,000 (17%)
Air	3,200 (--%)	3,400 (--%)	3,600 (--%)	3,900 (--%)	3,700 (--%)
Total	5,057,372 (100%)	5,373,937 (100%)	5,567,803 (100%)	5,869,665 (100%)	5,869,313 (100%)

U.S. DOMESTIC AND FOREIGN WATERBORNE COMMERCE

(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
Domestic	954,172 (56%)	985,537 (53%)	972,203 (51%)	1,092,765 (54%)	1,087,613 (52%)
Foreign	748,707 (44%)	855,964 (47%)	935,257 (49%)	946,058 (46%)	993,445 (48%)
Total	1,702,879 (100%)	1,841,501 (100%)	1,907,460 (100%)	2,038,058 (100%)	2,081,058 (100%)

U.S. DOMESTIC WATERBORNE COMMERCE BY TRADE SEGMENT

(THOUSANDS OF SHORT TONS AND PERCENTAGE BY TRADE)

	1975	1976	1977	1978	1979
DOMESTIC OCEANS	234,416 (24%)	239,932 (24%)	248,773 (26%)	326,650 (30%)	313,960 (29%)
GREAT LAKES	137,088 (14%)	140,313 (14%)	116,855 (12%)	150,774 (14%)	151,209 (14%)
INLAND WATERWAYS	582,668 (61%)	605,292 (62%)	606,575 (62%)	615,341 (56%)	622,444 (57%)
TOTAL	954,172 (100%)	985,537 (100%)	972,203 (100%)	1,092,765 (100%)	1,087,613 (100%)

U.S. DOMESTIC WATERBORNE COMMERCE BY VESSEL TYPE
(THOUSANDS OF SHORT TONS AND PERCENTAGE BY VESSEL TYPE)

	1975	1976	1977	1978	1979
DOMESTIC OCEAN					
SELF-PROPELLED DRY CARGO VESSEL	14,918 (6%)	13,458 (6%)	12,186 (5%)	12,090 (4%)	11,236 (4%)
SELF-PROPELLED TANKER VESSEL	159,104 (68%)	158,991 (66%)	168,838 (68%)	239,610 (73%)	234,927 (75%)
NON-SELF-PROPELLED DRY CARGO BARGE	21,189 (9%)	20,006 (8%)	22,142 (9%)	24,891 (8%)	22,078 (7%)
NON-SELF-PROPELLED TANK BARGE	39,205 (17%)	47,477 (20%)	45,607 (18%)	50,059 (15%)	45,719 (14%)
TOTAL	234,416(100%)	239,932(100%)	248,773(100%)	326,650(100%)	313,960(100%)
GREAT LAKES					
SELF-PROPELLED DRY CARGO VESSEL	127,420 (93%)	129,227 (92%)	107,724 (92%)	142,677 (95%)	143,162 (95%)
SELF-PROPELLED TANKER VESSEL	4,400 (3%)	4,147 (3%)	3,529 (3%)	2,842 (2%)	2,961 (2%)
NON-SELF-PROPELLED DRY CARGO BARGE	2,742 (2%)	3,937 (3%)	1,585 (1%)	2,284 (1%)	2,130 (1%)
NON-SELF-PROPELLED TANK BARGE	2,526 (2%)	3,002 (2%)	4,017 (4%)	2,971 (2%)	2,956 (2%)
TOTAL	137,088(100%)	140,313(100%)	116,855(100%)	150,774(100%)	151,209(100%)
INLAND WATERWAYS					
SELF-PROPELLED DRY CARGO VESSEL	8,240 (1%)	8,413 (1%)	9,234 (1%)	8,881 (1%)	8,260 (1%)
SELF-PROPELLED TANKER VESSEL	12,761 (2%)	14,420 (3%)	16,324 (3%)	14,070 (2%)	16,487 (3%)
NON-SELF-PROPELLED DRY CARGO BARGE	320,165 (55%)	327,379 (54%)	319,720 (53%)	324,851 (53%)	343,967 (55%)
NON-SELF-PROPELLED TANK BARGE	241,502 (42%)	255,080 (42%)	261,297 (43%)	267,539 (44%)	253,730 (41%)
TOTAL	582,668(100%)	605,292(100%)	606,575(100%)	615,341(100%)	622,444(100%)
GRAND TOTAL					
SELF-PROPELLED DRY CARGO VESSEL	150,578 (16%)	151,098 (15%)	129,144 (13%)	163,648 (15%)	162,658 (15%)
SELF-PROPELLED TANKER VESSEL	176,265 (18%)	177,558 (18%)	188,691 (20%)	256,522 (24%)	254,375 (23%)
NON-SELF-PROPELLED DRY CARGO BARGE	344,096 (36%)	351,322 (36%)	343,447 (35%)	352,026 (32%)	368,175 (34%)
NON-SELF-PROPELLED TANK BARGE	283,233 (30%)	305,559 (31%)	310,921 (32%)	320,569 (29%)	302,405 (28%)
TOTAL	954,172(100%)	985,537(100%)	972,203(100%)	1,092,765(100%)	1,087,613(100%)

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NUMBER OF VESSELS AND CARGO CARRYING CAPACITY OF U.S. FLAG FLEET
OPERATING OR AVAILABLE FOR OPERATION ON 1 JANUARY

(CAPACITY IN SHORT TONS)

	1975		1976		1977*		1978*		1979*	
	VESSELS	CAPACITY	VESSELS	CAPACITY	VESSELS	CAPACITY	VESSELS	CAPACITY	VESSELS	CAPACITY
OCEAN[1/]										
SELF-PROPELLED DRY CARGO VESSEL	772	4,921,212	796	4,945,486	825	5,063,097	829	4,980,595	810	4,562,467
SELF-PROPELLED TANKER VESSEL	305	8,775,814	296	8,661,572	297	10,533,740	307	12,052,835	307	13,225,397
TUGS AND OTHER WORK BOATS	1,675	----	1,660	----	1,703	----	1,692	----	1,723	----
NON-SELF-PROPELLED DRY CARGO BARGE	4,334	4,190,618	4,917	4,565,839	5,376	4,856,959	4,040	4,387,597	4,165	4,656,519
NON-SELF-PROPELLED TANK BARGE	571	1,939,872	577	2,056,813	609	2,411,079	622	2,595,757	637	3,387,419
TOTAL	7,657	19,827,516	8,246	20,229,710	8,810	22,864,875	7,490	21,421,042	7,642	25,831,802
GREAT LAKES										
SELF-PROPELLED DRY CARGO VESSEL	320	2,904,116	302	2,776,116	303	2,950,792	295	2,992,003	281	3,082,005
SELF-PROPELLED TANKER VESSEL	12	50,038	9	37,815	10	44,798	12	57,320	12	54,943
TUGS AND OTHER WORK BOATS	150	----	161	----	163	----	158	----	159	----
NON-SELF-PROPELLED DRY CARGO BARGE	197	303,726	198	314,447	193	311,883	188	301,919	213	326,513
NON-SELF-PROPELLED TANK BARGE	60	143,921	67	157,967	56	110,083	74	154,373	31	62,936
TOTAL	739	3,401,801	737	3,286,345	725	3,417,556	727	3,505,615	696	3,526,397
INLAND WATERWAYS										
SELF-PROPELLED DRY CARGO VESSEL	616	110,859	651	115,431	710	133,510	779	170,590	829	180,935
SELF-PROPELLED TANKER VESSEL	----	----	----	----	----	----	----	----	----	----
TUGS AND OTHER WORK BOATS	2,406	----	2,542	----	2,615	----	2,633	----	2,723	----
NON-SELF-PROPELLED DRY CARGO BARGE	17,345	21,031,652	18,049	22,255,050	19,368	24,286,079	19,809	25,149,335	21,042	27,110,036
NON-SELF-PROPELLED TANK BARGE	2,903	6,117,768	2,979	6,295,236	3,105	6,998,678	3,250	6,717,435	3,332	6,884,322
TOTAL	23,270	27,260,279	24,221	28,665,717	25,798	31,418,267	26,471	32,037,360	27,926	34,175,293
GRAND TOTALS										
SELF-PROPELLED DRY CARGO VESSEL	1,708	7,936,187	1,749	7,837,033	1,838	8,147,399	2,938	8,143,188	1,920	7,825,407
SELF-PROPELLED TANKER VESSEL	317	8,825,852	305	8,699,387	307	10,578,538	319	12,110,155	319	13,280,340
TUGS AND OTHER WORK BOATS	4,231	----	4,363	----	4,481	----	4,483	----	4,605	----
NON-SELF-PROPELLED DRY CARGO BARGE	21,876	25,525,996	23,164	27,135,336	24,937	29,454,921	24,037	29,691,305	25,420	30,823,968
NON-SELF-PROPELLED TANK BARGE	3,534	8,201,561	3,623	8,510,016	3,770	9,519,840	3,946	9,467,565	4,000	10,334,677
TOTAL	31,666	50,489,596	33,204	52,181,772	35,333	57,700,698	35,723	59,412,213	36,264	62,264,392

*Operating or available for operation on 1 October

1/ Includes vessels in both domestic and foreign trade.

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PRINCIPAL COMMODITIES CARRIED IN DOMESTIC WATERBORNE COMMERCE
(THOUSANDS OF SHORT TONS)

	1974		1975		1976		1977		1978		1979	
Coal and Lignite	144,779	(15%)	152,814	(16%)	154,227	(16%)	156,296	(16%)	143,752	(13%)	160,486	(15%)
Gasoline	90,245	(9%)	92,157	(10%)	92,785	(9%)	94,888	(10%)	94,709	(9%)	83,509	(8%)
Crude Petroleum	83,580	(8%)	77,887	(8%)	75,210	(8%)	84,817	(9%)	145,987	(13%)	148,853	(14%)
Distillate Fuel	83,573	(8%)	86,994	(9%)	88,918	(9%)	89,664	(9%)	83,766	(8%)	79,500	(7%)
Sand, Gravel & Crushed Rock	76,444	(8%)	67,906	(7%)	61,250	(6%)	58,982	(6%)	71,501	(6%)	69,926	(6%)
Iron Ore & Concentrates	79,893	(8%)	69,325	(7%)	73,599	(7%)	49,999	(5%)	80,851	(7%)	83,251	(8%)
Residual Fuel	111,468	(11%)	111,504	(12%)	127,818	(13%)	133,995	(14%)	136,001	(12%)	136,731	(11%)
Limestone Flux and Calcareous Stone	36,316	(4%)	29,134	(3%)	29,628	(3%)	28,667	(3%)	30,930	(3%)	28,583	(3%)
Marine Shells	18,141	(2%)	15,335	(2%)	12,124	(1%)	12,148	(1%)	10,320	(1%)	8,802	(1%)
Rafted Logs	19,590	(2%)	18,160	(2%)	16,962	(2%)	16,292	(2%)	17,192	(2%)	17,041	(2%)
Corn	18,116	(2%)	20,798	(2%)	25,742	(3%)	23,595	(3%)	25,925	(3%)	28,391	(3%)
Jet Fuel	10,432	(1%)	10,315	(1%)	11,773	(1%)	12,666	(1%)	11,824	(1%)	11,864	(1%)
Building Cement	9,873	(1%)	8,299	(1%)	8,465	(1%)	9,696	(1%)	9,343	(1%)	9,082	(1%)
Basic Chemicals	17,481	(2%)	15,238	(2%)	16,454	(2%)	17,264	(2%)	19,616	(2%)	22,968	(2%)
Soybeans	10,151	(1%)	9,438	(1%)	11,316	(1%)	11,703	(1%)	14,256	(1%)	13,265	(1%)
Waste & Scrap, NEC	17,083	(2%)	17,136	(2%)	15,101	(1%)	12,255	(1%)	16,240	(2%)	14,149	(1%)
Wheat	8,055	(1%)	10,350	(1%)	12,339	(1%)	11,779	(1%)	11,790	(1%)	11,583	(1%)
All Other Commodities	159,076	(15%)	141,382	(14%)	153,269	(16%)	146,938	(15%)	168,762	(15%)	159,629	(15%)
Total All Commodities	994,296	(100%)	954,172	(100%)	985,537	(100%)	972,203	(100%)	1,092,765	(100%)	1,087,613	(100%)

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PRINCIPAL COMMODITIES CARRIED IN DOMESTIC OCEAN
WATERBORNE COMMERCE BY VESSEL TYPE
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975			1976	
SELF-PROPELLED DRY CARGO VESSEL			SELF-PROPELLED DRY CARGO VESSEL		
COMMODITIES, N.E.C.	2.783	(19%)	COMMODITIES, N.E.C.	1.914	(14%)
SUGAR	1.006	(07%)	SUGAR	962	(07%)
FRUIT AND PREPARATIONS	812	(05%)	FRUIT AND PREPARATIONS	847	(06%)
PHOSPHATE ROCK	771	(05%)	BASIC CHEMICALS + PRODTS, NEC	766	(06%)
BASIC CHEMICALS + PRODTS, NEC	611	(04%)	ALCOHOLIC BEVERAGES	619	(05%)
ALCOHOLIC BEVERAGES	505	(03%)	MISC. FOOD PRODUCTS	609	(05%)
ALL OTHER COMMODITIES	8.327	(56%)	ALL OTHER COMMODITIES	7.741	(58%)
TOTAL	14.815		TOTAL	13.458	
SELF-PROPELLED TANKER VESSEL			SELF-PROPELLED TANKER VESSEL		
RESIDUAL FUEL OIL	36.972	(24%)	RESIDUAL FUEL OIL	39.149	(25%)
GASOLINE	36.797	(23%)	GASOLINE	37.459	(24%)
DISTILLATE FUEL OIL	35.994	(23%)	DISTILLATE FUEL OIL	34.678	(22%)
CRUDE PETROLEUM	25.888	(16%)	CRUDE PETROLEUM	21.759	(14%)
JET FUEL	3.936	(03%)	JET FUEL	5.419	(03%)
SULPHUR LIQUID (EUO)	3.279	(02%)	SULPHUR LIQUID (EUO)	3.638	(02%)
ALL OTHER COMMODITIES	14.208	(09%)	ALL OTHER COMMODITIES	16.886	(11%)
TOTAL	157.074		TOTAL	158.988	
NON-SELF-PROPELLED DRY CARGO BARGE			NON-SELF-PROPELLED DRY CARGO BARGE		
PHOSPHATE ROCK	6.912	(33%)	PHOSPHATE ROCK	7.237	(36%)
SAND AND GRAVEL	3.871	(19%)	BITUMINOUS COAL AND LIGNITE	2.740	(14%)
BITUMINOUS COAL AND LIGNITE	3.115	(15%)	SAND AND GRAVEL	2.562	(13%)
BUILDING CEMENT	1.306	(06%)	BUILDING CEMENT	1.459	(07%)
LUMBER	729	(03%)	LUMBER	924	(05%)
COMMODITIES, N.E.C.	582	(03%)	METAL CONTAINERS	472	(02%)
ALL OTHER COMMODITIES	4.394	(21%)	ALL OTHER COMMODITIES	4.580	(23%)
TOTAL	20.909		TOTAL	19.974	
NON-SELF-PROPELLED TANK BARGE			NON-SELF-PROPELLED TANK BARGE		
GASOLINE	14.603	(35%)	GASOLINE	16.213	(34%)
DISTILLATE FUEL OIL	10.403	(25%)	RESIDUAL FUEL OIL	12.431	(26%)
RESIDUAL FUEL OIL	10.324	(25%)	DISTILLATE FUEL OIL	11.337	(24%)
ASPHALT, TAR, AND PITCHES	998	(02%)	ASPHALT, TAR, AND PITCHES	1.723	(04%)
JET FUEL	857	(02%)	JET FUEL	982	(02%)
NAPHTHA AND OTHER PETROL SOLVN	672	(02%)	NAPHTHA AND OTHER PETROL SOLVN	877	(02%)
ALL OTHER COMMODITIES	3.678	(09%)	ALL OTHER COMMODITIES	3.918	(08%)
TOTAL	41.535		TOTAL	47.481	

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

PRINCIPAL COMMODITIES CARRIED IN DOMESTIC OCEAN
WATERBORNE COMMERCE BY VESSEL TYPE
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1977			1978	
SELF-PROPELLED DRY CARGO VESSEL			SELF-PROPELLED DRY CARGO VESSEL		
COMMODITIES, N.E.C.	1.755	(14%)	COMMODITIES, N.E.C.	2.782	(23%)
FRUIT AND PREPARATIONS	828	(07%)	SUGAR	797	(07%)
SUGAR	818	(07%)	FRUIT AND PREPARATIONS	640	(05%)
ALCOHOLIC BEVERAGES	602	(05%)	RESIDUAL FUEL OIL	514	(04%)
BASIC CHEMICALS + PRODTS, NEC	438	(04%)	ALCOHOLIC BEVERAGES	476	(04%)
MISC. FOOD PRODUCTS	409	(03%)	BASIC CHEMICALS + PRODTS, NEC	424	(04%)
ALL OTHER COMMODITIES	7.325	(60%)	ALL OTHER COMMODITIES	6.436	(53%)
TOTAL	12.175		TOTAL	12.069	
SELF-PROPELLED TANKER VESSEL			SELF-PROPELLED TANKER VESSEL		
RESIDUAL FUEL OIL	41.365	(24%)	CRUDE PETROLEUM	49.682	(28%)
GASOLINE	37.187	(22%)	RESIDUAL FUEL OIL	37.569	(21%)
DISTILLATE FUEL OIL	35.883	(21%)	GASOLINE	35.482	(20%)
CRUDE PETROLEUM	27.430	(16%)	DISTILLATE FUEL OIL	32.166	(18%)
JET FUEL	6.039	(04%)	JET FUEL	5.400	(03%)
SULPHUR LIGUID (EUO)	3.930	(02%)	SULPHUR LIGUID (EUO)	4.279	(02%)
ALL OTHER COMMODITIES	17.003	(10%)	ALL OTHER COMMODITIES	16.024	(09%)
TOTAL	168.837		TOTAL	180.602	
NON-SELF-PROPELLED DRY CARGO BARGE			NON-SELF-PROPELLED DRY CARGO BARGE		
PHOSPHATE ROCK	8.212	(37%)	PHOSPHATE ROCK	7.547	(30%)
BITUMINOUS COAL AND LIGNITE	3.607	(16%)	SAND AND GRAVEL	5.256	(21%)
SAND AND GRAVEL	2.940	(13%)	BITUMINOUS COAL AND LIGNITE	3.251	(13%)
BUILDING CEMENT	1.594	(07%)	BUILDING CEMENT	1.637	(07%)
LUMBER	951	(04%)	MOTOR VEHICALS,PARTS + EQUIPMT	987	(04%)
METAL CONTAINERS	496	(02%)	LUMBER	977	(04%)
ALL OTHER COMMODITIES	4.334	(20%)	ALL OTHER COMMODITIES	5.220	(21%)
TOTAL	22.134		TOTAL	24.875	
NON-SELF-PROPELLED TANK BARGE			NON-SELF-PROPELLED TANK BARGE		
GASOLINE	17.043	(37%)	GASOLINE	19.674	(39%)
RESIDUAL FUEL OIL	12.255	(27%)	RESIDUAL FUEL OIL	12.512	(25%)
DISTILLATE FUEL OIL	10.158	(22%)	DISTILLATE FUEL OIL	10.394	(21%)
ASPHALT,TAR, AND PITCHES	1.679	(04%)	ASPHALT,TAR, AND PITCHES	2.038	(04%)
BASIC CHEMICALS + PRODTS, NEC	706	(02%)	JET FUEL	1.126	(02%)
JET FUEL	694	(02%)	SODIUM HYDROXIDE (CAUSTIC SODA	782	(02%)
ALL OTHER COMMODITIES	3.070	(07%)	ALL OTHER COMMODITIES	3.482	(07%)
TOTAL	45.605		TOTAL	50.008	

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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PRINCIPAL COMMODITIES CARRIED IN DOMESTIC OCEAN
WATERBORNE COMMERCE BY VESSEL TYPE
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1979	
SELF-PROPELLED DRY CARGO VESSEL		
COMMODITIES, N.E.C.	2.763	(25%)
SUGAR	859	(08%)
FRUIT AND PREPARATIONS	619	(06%)
BASIC CHEMICALS + PRODTS, NEC	424	(04%)
ALCOHOLIC BEVERAGES	420	(04%)
MISC. FOOD PRODUCTS	386	(03%)
ALL OTHER COMMODITIES	5.762	(51%)
TOTAL	11.233	
SELF-PROPELLED TANKER VESSEL		
CRUDE PETROLEUM	84.342	(39%)
RESIDUAL FUEL OIL	45.077	(21%)
DISTILLATE FUEL OIL	32.516	(15%)
GASOLINE	31.231	(14%)
JET FUEL	5.548	(03%)
SULPHUR LIGUID (EUO)	4.370	(02%)
ALL OTHER COMMODITIES	15.554	(07%)
TOTAL	218.638	
NON-SELF-PROPELLED DRY CARGO BARGE		
PHOSPHATE ROCK	6.928	(31%)
SAND AND GRAVEL	3.557	(16%)
BITUMINOUS COAL AND LIGNITE	2.706	(12%)
BUILDING CEMENT	1.495	(07%)
LUMBER	1.003	(05%)
METAL CONTAINERS	624	(03%)
ALL OTHER COMMODITIES	5.754	(26%)
TOTAL	22.067	
NON-SELF-PROPELLED TANK BARGE		
GASOLINE	16.744	(37%)
RESIDUAL FUEL OIL	11.058	(24%)
DISTILLATE FUEL OIL	9.661	(21%)
ASPHALT,TAR, AND PITCHES	1.999	(04%)
JET FUEL	1.397	(03%)
NAPHTHA AND OTHER PETROL SOLVN	1.196	(03%)
ALL OTHER COMMODITIES	3.664	(08%)
TOTAL	45.719	

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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CRUDE PETROLEUM AND PETROLEUM PRODUCTS TRANSPORTED IN THE UNITED STATES

BY METHOD OF TRANSPORTATION

(THOUSANDS OF SHORT TONS AND PERCENTAGE BY MODE)

	1973	1974	1975	1976	1977
DOMESTIC WATERBORNE	421.2 (21.9%)	407.5 (21.7%)	404.0 (22.1%)	425.1 (21.9%)	446.5 (21.5%)
RAILROADS	29.7 (1.6%)	29.9 (1.6%)	27.5 (1.5%)	26.7 (1.4%)	28.5 (1.4%)
MOTOR CARRIERS	559.8 (29.1%)	552.0 (29.5%)	520.6 (28.4%)	559.2 (28.7%)	614.3 (29.6%)
PIPE LINES	912.2 (47.4%)	884.7 (47.2%)	879.4 (48.0%)	934.1 (48.0%)	986.0 (47.5%)
TOTAL	1,922.9 (100%)	1,874.1 (100%)	1,831.5 (100%)	1,945.1 (100%)	2,075.3 (100%)

CRUDE OIL TRANSPORTED IN THE UNITED STATES

BY METHOD OF TRANSPORTATION

(THOUSANDS OF SHORT TONS AND PERCENTAGE BY MODE)

	1973	1974	1975	1976	1977
DOMESTIC WATERBORNE	90.5 (14.1%)	83.6 (13.5%)	77.9 (12.7%)	75.2 (12.4%)	84.8 (13.3%)
RAILROADS	1.9 (.3%)	2.7 (.4%)	2.8 (.5%)	2.3 (.4%)	2.1 (.3%)
MOTOR CARRIERS	55.6 (8.7%)	70.0 (11.3%)	76.2 (12.5%)	72.6 (11.9%)	89.7 (14.1%)
PIPE LINES	492.4 (76.9%)	464.3 (74.8%)	454.7 (74.3%)	458.5 (75.3%)	460.1 (72.3%)
TOTAL	640.4 (100%)	620.6 (100%)	611.6 (100%)	608.6 (100%)	636.7 (100%)

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REFINED PETROLEUM PRODUCTS TRANSPORTED IN THE UNITED STATES

BY METHOD OF TRANSPORTATION

(THOUSANDS OF SHORT TONS AND PERCENTAGE BY MODE)

	1973	1974	1975	1976	1977
DOMESTIC WATERBORNE	330.7 (25.8%)	323.9 (25.8%)	326.1 (26.7%)	349.9 (26.2%)	361.7 (25.1%)
RAILROADS	27.8 (2.2%)	27.2 (2.2%)	24.7 (2.0%)	24.4 (1.8%)	26.4 (1.8%)
MOTOR CARRIERS	504.2 (39.3%)	482.0 (38.5%)	444.4 (36.5%)	486.6 (36.4%)	524.6 (36.5%)
PIPE LINES	419.8 (32.7%)	420.4 (33.5%)	424.7 (34.8%)	475.6 (35.6%)	525.9 (36.6%)
TOTAL	1,282.5 (100%)	1,253.5 (100%)	1,219.9 (100%)	1,336.5 (100%)	1,438.6 (100%)

FREIGHT REVENUE OF U.S. DOMESTIC REGULATED CARRIERS
(In Millions of Dollars)

	1965		1970		1975		1977		1978	
DOMESTIC WATERBORNE	353	(2%)	438	(2%)	850	(2%)	800	(1%)	847	(1%)
RAIL	9,923	(46%)	11,869	(41%)	16,573	(39.1%)	20,184	(36%)	21,718	(33%)
TRUCK	10,068	(46%)	14,585	(51%)	22,000	(52%)	31,000	(55%)	36,500	(56%)
PIPELINE	904	(4%)	1,188	(4%)	1,874	(4%)	2,792	(5%)	4,907	(7%)
AIR	428	(2%)	720	(2%)	1,073	(3%)	1,484	(3%)	1,729	(3%)
TOTAL	21,676	(100%)	28,800	(100%)	42,370	(100%)	56,260	(100%)	65,701	(100%)
GROSS NATIONAL PRODUCT (Billions of Dollars)	688.1		982.4		1,528.8		1,899.5		2,127.6	
PERCENT OF CARRIERS REVENUE TO GNP	3.1%		2.9%		2.8%		3.0%		3.1%	

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U.S. DOMESTIC AND FOREIGN FREIGHT CHARGES*
(IN MILLIONS OF DOLLARS)

	1974		1975		1976		1977		1978	
DOMESTIC WATERBORNE	2,755	(2%)	2,960	(2%)	3,419	(2%)	3,602	(2%)	5,076	(3%)
FOREIGN WATERBORNE	5,266	(4%)	4,928	(4%)	5,441	(4%)	6,686	(4%)	7,303	(4%)
RAIL	16,953	(14%)	16,509	(13%)	19,196	(14%)	20,463	(13%)	21,896	(11%)
HIGHWAY	93,669	(77%)	95,346	(77%)	110,671	(77%)	128,274	(78%)	147,404	(77%)
PIPELINE	1,878	(2%)	2,220	(2%)	2,532	(2%)	3,209	(2%)	5,452	(3%)
AIR - DOMESTIC	1,043	(1%)	1,073	(1%)	1,247	(1%)	1,484	(1%)	1,729	(1%)
INTERNATIONAL	702	(--)	765	(1%)	805	(--)	873	(--)	925	(--)
TOTAL	122,266	(100%)	123,801	(100%)	143,311	(100%)	164,591	(100%)	189,785	(100%)
GROSS NATIONAL PRODUCT (Billions of Dollars)	1,412.9		1,528.8		1,702.2		1,899.5		2,127.6	
GRAND TOTAL % OF GNP	8.65		8.10		8.42		8.66		8.92	

*Regular carriers only.

PART TWO

DOMESTIC OCEAN TRADES

U.S. DOMESTIC OCEANBORNE COMMERCE BY SECTOR AND TYPE OF VESSEL
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
COASTWISE					
SELF-PROPELLED DRY CARGO VESSEL	3,362 (02%)	2.565 (01%)	1.998 (01%)	1.263 (01%)	1.043 (01%)
SELF-PROPELLED TANKER VESSEL	114,848 (67%)	112,525 (65%)	118.617 (66%)	101,476 (61%)	106.045 (65%)
NON-SELF-PROPELLED DRY CARGO BARGE	15,700 (09%)	15,208 (09%)	17.731 (10%)	19,177 (11%)	16.454 (10%)
NON-SELF-PROPELLED TANK BARGE	36,563 (22%)	42.311 (25%)	40.309 (23%)	44.975 (27%)	39.502 (24%)
TOTAL	170,473	172,609	178.655	166,891	163.044
INTERCOASTAL					
SELF-PROPELLED DRY CARGO VESSEL	1,236 (32%)	1.178 (26%)	785 (24%)	623 (10%)	302 (08%)
SELF-PROPELLED TANKER VESSEL	2,500 (65%)	3.337 (72%)	2.489 (76%)	5.409 (89%)	3.520 (89%)
NON-SELF-PROPELLED DRY CARGO BARGE	95 (02%)	52 (01%)	1 (--%)	16 (--%)	21 (01%)
NON-SELF-PROPELLED TANK BARGE	--- (--%)	42 (01%)	--- (--%)	30 (--%)	98 (02%)
TOTAL	3.831	4.609	3.275	6.078	3.941
NON-CONTIGUOUS					
SELF-PROPELLED DRY CARGO VESSEL	10,320 (17%)	9.715 (15%)	9,420 (14%)	10,204 (07%)	9.891 (07%)
SELF-PROPELLED TANKER VESSEL	41,756 (69%)	43,129 (69%)	47.732 (71%)	132,725 (86%)	125,362 (85%)
NON-SELF-PROPELLED DRY CARGO BARGE	5,394 (09%)	4,746 (08%)	4.410 (07%)	5,698 (04%)	5.603 (04%)
NON-SELF-PROPELLED TANK BARGE	2,642 (05%)	5.124 (08%)	5.298 (08%)	5,054 (03%)	6,119 (04%)
TOTAL	60,112	62,714	66,860	153,681	146,975
GRAND TOTAL					
SELF-PROPELLED DRY CARGO VESSEL	14,918 (06%)	13.458 (06%)	12.186 (05%)	12,090 (04%)	11.236 (04%)
SELF-PROPELLED TANKER VESSEL	159,104 (68%)	158.991 (66%)	168.838 (68%)	239,610 (73%)	234,927 (75%)
NON-SELF-PROPELLED DRY CARGO BARGE	21,189 (09%)	20.006 (08%)	22.142 (09%)	24,891 (09%)	22.078 (07%)
NON-SELF-PROPELLED TANK BARGE	39,205 (17%)	47.477 (20%)	45.607 (18%)	50,059 (19%)	45.719 (15%)
TOTAL	234,416	239.932	248.790	326,650	313,960

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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U.S. COASTWISE OCEANBORNE COMMERCE BY AREA AND TYPE OF VESSEL
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
ATLANTIC COAST					
SELF-PROPELLED DRY CARGO VESSEL	1,612 (04%)	1.482 (03%)	1.145 (02%)	883 (02%)	758 (02%)
SELF-PROPELLED TANKER VESSEL	17,949 (38%)	17.895 (36%)	18.697 (38%)	17.338 (33%)	15.702 (34%)
NON-SELF-PROPELLED DRY CARGO BARGE	4,078 (09%)	3.681 (07%)	4.028 (08%)	6.241 (12%)	4.450 (10%)
NON-SELF-PROPELLED TANK BARGE	22,585 (49%)	26,137 (53%)	25.174 (51%)	27.789 (53%)	25.500 (55%)
TOTAL	46,224	49,194	49.044	52.251	46.410
ATLANTIC/GULF					
SELF-PROPELLED DRY CARGO VESSEL	1,059 (02%)	905 (01%)	620 (01%)	294 (--%)	226 (--%)
SELF-PROPELLED TANKER VESSEL	59,231 (89%)	58,005 (89%)	61.608 (89%)	51,516 (86%)	52.419 (87%)
NON-SELF-PROPELLED DRY CARGO BARGE	52 (--%)	124 (--%)	206 (--%)	125 (--%)	292 (--%)
NON-SELF-PROPELLED TANK BARGE	5,850 (09%)	6,427 (10%)	6.841 (10%)	8.040 (13%)	7.198 (12%)
TOTAL	66,192	65,461	69.275	59,975	60.135
GULF COAST					
SELF-PROPELLED DRY CARGO VESSEL	674 (02%)	177 (01%)	149 (--%)	75 (--%)	11 (--%)
SELF-PROPELLED TANKER VESSEL	13,555 (43%)	10,305 (36%)	12.245 (40%)	11,661 (38%)	13.945 (46%)
NON-SELF-PROPELLED DRY CARGO BARGE	10,485 (34%)	10,454 (36%)	12.294 (40%)	11,417 (37%)	10.080 (33%)
NON-SELF-PROPELLED TANK BARGE	6,732 (21%)	7.962 (27%)	6.309 (20%)	7.850 (25%)	6.165 (20%)
TOTAL	31,446	28,898	30.997	31,003	30.201
PACIFIC COAST					
SELF-PROPELLED DRY CARGO VESSEL	17 (--%)	1 (--%)	84 (--%)	11 (--%)	48 (--%)
SELF-PROPELLED TANKER VESSEL	24.113 (91%)	26.320 (91%)	26.067 (89%)	20.961 (89%)	23.979 (91%)
NON-SELF-PROPELLED DRY CARGO BARGE	1,085 (04%)	949 (03%)	1.203 (04%)	1.394 (06%)	1.622 (06%)
NON-SELF-PROPELLED TANK BARGE	1,396 (05%)	1.785 (06%)	1.985 (07%)	1.296 (05%)	639 (02%)
TOTAL	26.611	29,055	29.339	23.662	26.298
GRAND TOTAL					
SELF-PROPELLED DRY CARGO VESSEL	3,362 (02%)	2.565 (01%)	1.998 (01%)	1.263 (01%)	1.043 (01%)
SELF-PROPELLED TANKER VESSEL	114,848 (67%)	112,525 (65%)	118.617 (66%)	101,476 (61%)	106.045 (65%)
NON-SELF-PROPELLED DRY CARGO BARGE	15,700 (09%)	15,208 (09%)	17.731 (10%)	19,177 (11%)	16.4[illegible] (10%)
NON-SELF-PROPELLED TANK BARGE	36,563 (22%)	42.311 (25%)	40.309 (23%)	44.975 (27%)	39.5[illegible] (24%)
TOTAL	170,473	172,609	178.655	166,891	16[illegible].044

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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U.S. INTERCOASTAL OCEANBORNE COMMERCE BY AREA AND TYPE OF VESSEL
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
WESTBOUND					
SELF-PROPELLED DRY CARGO VESSEL	798 (31%)	825 (25%)	547 (27%)	539 (18%)	287 (11%)
SELF-PROPELLED TANKER VESSEL	1,719 (67%)	2,427 (73%)	1,492 (73%)	2,524 (82%)	2,143 (85%)
NON-SELF-PROPELLED DRY CARGO BARGE	44 (02%)	40 (01%)	1 (--%)	15 (--%)	18 (01%)
NON-SELF-PROPELLED TANK BARGE	--- (--%)	42 (01%)	--- (--%)	--- (--%)	87 (03%)
TOTAL	2,561	3,334	2,040	3,078	2,535
EASTBOUND					
SELF-PROPELLED DRY CARGO VESSEL	438 (34%)	353 (28%)	238 (19%)	84 (03%)	15 (01%)
SELF-PROPELLED TANKER VESSEL	781 (61%)	910 (71%)	997 (81%)	2,885 (96%)	1,377 (98%)
NON-SELF-PROPELLED DRY CARGO BARGE	51 (04%)	12 (01%)	--- (--%)	1 (--%)	3 (--%)
NON-SELF-PROPELLED TANK BARGE	--- (--%)	--- (--%)	--- (--%)	30 (01%)	11 (01%)
TOTAL	1,270	1,275	1,235	3,000	1,406
GRAND TOTAL					
SELF-PROPELLED DRY CARGO VESSEL	1,236 (32%)	1,178 (26%)	785 (24%)	623 (10%)	302 (08%)
SELF-PROPELLED TANKER VESSEL	2,500 (65%)	3,337 (72%)	2,489 (76%)	5,409 (89%)	3,520 (89%)
NON-SELF-PROPELLED DRY CARGO BARGE	95 (02%)	52 (01%)	1 (--%)	16 (--%)	21 (01%)
NON-SELF-PROPELLED TANK BARGE	--- (--%)	42 (01%)	--- (--%)	30 (--%)	98 (02%)
TOTAL	3,831	4,609	3,275	6,078	3,941

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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U.S. NONCONTIGUOUS OCEANBORNE COMMERCE BY AREA AND TYPE OF VESSEL
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
HAWAIIAN ISLANDS					
SELF-PROPELLED DRY CARGO VESSEL	4,504 (46%)	4.179 (45%)	4.294 (48%)	4.030 (43%)	4.135 (38%)
SELF-PROPELLED TANKER VESSEL	2.729 (28%)	2.715 (29%)	2.464 (28%)	2.684 (28%)	4.043 (37%)
NON-SELF-PROPELLED DRY CARGO BARGE	2.212 (23%)	1,943 (21%)	1.861 (21%)	2.617 (28%)	2.504 (23%)
NON-SELF-PROPELLED TANK BARGE	252 (03%)	434 (05%)	276 (03%)	96 (01%)	234 (02%)
TOTAL	9,697	9,271	8.895	9.427	10.919
ALASKA/PANAMA					
SELF-PROPELLED DRY CARGO VESSEL	1.023 (07%)	1.298 (10%)	1.301 (06%)	1.455 (01%)	1.798 (02%)
SELF-PROPELLED TANKER VESSEL	10.784 (77%)	10.136 (76%)	17.532 (86%)	98,664 (97%)	88,112 (96%)
NON-SELF-PROPELLED DRY CARGO BARGE	1.427 (10%)	1,094 (08%)	1.037 (05%)	1.395 (01%)	1.211 (01%)
NON-SELF-PROPELLED TANK BARGE	811 (06%)	849 (06%)	474 (02%)	820 (01%)	790 (01%)
TOTAL	14.045	13,377	20.344	102,334	91,911
PUERTO RICO/VIRGIN ISLANDS					
SELF-PROPELLED DRY CARGO VESSEL	4,602 (13%)	3.976 (10%)	3.560 (10%)	4,450 (11%)	3.809 (09%)
SELF-PROPELLED TANKER VESSEL	28,222 (78%)	30,247 (76%)	27.736 (74%)	31,377 (75%)	33.200 (76%)
NON-SELF-PROPELLED DRY CARGO BARGE	1,753 (05%)	1,644 (04%)	1.488 (04%)	1.661 (04%)	1.867 (04%)
NON-SELF-PROPELLED TANK BARGE	1,579 (05%)	3.824 (10%)	4.527 (12%)	4,108 (10%)	5.061 (12%)
TOTAL	36,156	39,691	37.311	41,596	43.937
OTHER PACIFIC ISLANDS					
SELF-PROPELLED DRY CARGO VESSEL	191 (89%)	262 (70%)	265 (85%)	269 (83%)	149 (72%)
SELF-PROPELLED TANKER VESSEL	21 (10%)	31 (08%)	--- (--%)	--- (--%)	4 (02%)
NON-SELF-PROPELLED DRY CARGO BARGE	2 (01%)	65 (17%)	24 (08%)	25 (08%)	21 (10%)
NON-SELF-PROPELLED TANK BARGE	--- (--%)	17 (05%)	21 (07%)	30 (09%)	34 (16%)
TOTAL	214	375	310	324	208
GRAND TOTAL					
SELF-PROPELLED DRY CARGO VESSEL	10,320 (17%)	9.715 (15%)	9,420 (14%)	10,204 (07%)	9.891 (07%)
SELF-PROPELLED TANKER VESSEL	41,756 (69%)	43,129 (69%)	47.732 (71%)	132,725 (86%)	125,362 (85%)
NON-SELF-PROPELLED DRY CARGO BARGE	5,394 (09%)	4,746 (08%)	4.410 (07%)	5.698 (04%)	5.603 (04%)
NON-SELF-PROPELLED TANK BARGE	2,642 (05%)	5.124 (08%)	5.298 (08%)	5,054 (03%)	6.113 (04%)
TOTAL	60,112	62,714	66,860	153,681	146,975

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES

BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL

CALENDAR YEAR 1975 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

SELF-PROPELLED VESSELS

	TOTAL TONS	NORTH ATLANTIC	SOUTH ATLANTIC	GULF	CALIFORNIA	PACIFIC N.W.	GREAT LAKES	HAWAIIAN ISLANDS	ALASKA	PUERTO RICO AND VIR. ISLS.	OTHER PACIFIC ISLANDS TRUST TERR.
North Atlantic	3,970,599	870,333	295,284	386,375	422,696	1,769	----	55,679	----	1,931,127	7,336
South Atlantic	1,064,532	426,349	19,832	3,185	124,131	----	----	3,325	----	487,305	405
Gulf	1,995,795	636,191	33,272	674,129	1,761	247,423	----	----	----	403,019	----
California	2,456,978	287,288	315	22,943	8,741	8,255	----	1,706,977	----	296,365	126,094
Pacific Northwest	1,306,452	111,190	16,089	----	338	60	----	348,204	830,571	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaiian Islands	2,363,520	48,825	----	146,241	1,507,842	128,440	----	529,312	----	----	2,860
Alaska	192,568	----	----	----	90	136,514	----	----	55,964	----	----
Puerto Rico & Virgin Isls.	1,484,536	1,024,548	80,033	78,031	24,845	25,084	----	----	----	251,995	----
Other Pacific Islands	54,038	----	----	----	26,869	----	----	27,169	----	----	----
TOTAL-DRY	14,889,018	3,404,724	444,825	1,310,904	2,117,313	547,545	----	2,670,666	886,535	3,369,811	136,695
North Atlantic	18,040,191	15,981,722	948,056	1,006,586	82,611	1,600	5,696	----	----	13,920	----
South Atlantic	1,117,579	891,013	128,623	97,057	----	----	----	----	----	886	----
Gulf	73,625,018	45,504,893	12,622,886	13,555,355	1,565,311	69,292	55,600	----	31,786	219,895	----
California	24,489,625	157,571	228,760	318,556	16,610,083	4,843,131	----	1,287,995	1,043,529	----	----
Pacific Northwest	3,096,006	39,264	16,036	21,188	2,440,860	218,453	----	181,043	179,132	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaiian Islands	1,184,529	----	----	----	1,032,152	85,755	----	64,001	2,621	----	----
Alaska	9,527,122	----	----	33,581	7,769,932	605,922	----	75,320	1,042,367	----	----
Puerto Rico & Virgin Isls.	27,987,469	21,522,386	2,653,492	1,749,354	----	----	----	----	----	2,062,237	----
Other Pacific Islands	20,960	----	----	----	20,960	----	----	----	----	----	----
TOTAL-TANKER	159,027,203	84,096,849	16,597,853	16,781,677	29,521,909	5,824,183	61,296	1,608,359	2,299,435	2,296,938	----

*See pages 97-109 for Great Lakes Data

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES

BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL

CALENDAR YEAR 1975 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

NON-SELF-PROPELLED VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific N.W.	Great Lakes	Hawaiian Islands	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	4,241,535	3,852,406	211,876	8,092	44,171	----	----	----	----	124,990	----
South Atlantic	258,374	2,950	10,283	29,680	----	----	----	----	----	215,461	----
Gulf	11,288,288	11,982	1,459	10,485,499	----	81	92,425	----	3,508	693,334	----
California	209,689	----	----	19,143	13,235	47,694	----	82,763	45,917	----	937
Pacific Northwest	2,145,773	32,127	----	----	500,835	522,990	----	175,686	913,057	----	1,078
Great Lakes	51,480	----	----	51,480	----	----	Excluded*	----	----	----	----
Hawaiian Islands	1,953,230	----	----	----	283	3,490	----	1,949,457	----	----	----
Alaska	464,096	----	----	----	37,276	285,505	----	----	141,315	----	----
Puerto Rico & Virgin Isls.	719,640	42,380	93,691	70,238	----	----	----	----	491	512,840	----
Other Pacific Islands	398	----	----	----	----	398	----	----	----	----	----
TOTAL-DRY	21,332,503	3,941,845	317,309	10,664,132	595,800	860,158	92,425	2,207,906	1,104,288	1,546,625	2,015
North Atlantic	22,214,403	21,745,298	302,934	137,367	----	----	24,298	----	----	4,506	----
South Atlantic	727,478	132,933	403,802	190,743	----	----	----	----	----	----	----
Gulf	12,375,678	1,911,203	3,611,051	6,731,900	----	----	----	----	----	121,524	----
California	1,063,437	----	----	----	924,055	125,165	----	9,045	5,172	----	----
Pacific Northwest	398,165	----	----	----	307,239	39,761	----	7,355	43,810	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaiian Islands	235,191	----	----	----	----	----	----	235,191	----	----	----
Alaska	761,954	----	----	----	7,664	26,450	----	----	727,840	----	----
Puerto Rico & Virgin Isls.	1,452,602	356,868	891,722	170,355	----	----	----	----	----	33,657	----
Other Pacific Islands	----	----	----	----	----	----	----	----	----	----	----
TOTAL-TANK	39,228,908	24,146,302	5,209,509	7,230,365	1,238,958	191,376	24,298	251,591	776,822	159,687	----

*See pages 97-109 for Great Lakes Data

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES

BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL

CALENDAR YEAR 1976 (SHORT TONS)

AREA OF SHIPPING / AREA OF RECEIVING

SELF-PROPELLED DRY CARGO VESSEL

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	3,424,098	653,476	347,150	297,974	341,244	37	----	49,607	----	1,725,331	9,279
South Atlantic	1,098,007	480,788	577	2,641	108,325	----	----	6,960	----	496,480	2,236
Gulf	1,503,616	603,688	1,052	176,570	27,723	347,132	----	----	----	347,451	----
California	2,349,055	296,807	339	----	149	856	----	1,619,833	1,391	266,165	163,515
Pacific	1,326,924	51,490	4,432	----	405	35	----	250,677	1,019,811	----	74
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaii	2,251,207	----	----	100,920	1,516,964	105,383	----	527,790	----	----	150
Alaska	276,755	----	----	----	----	208,509	----	----	68,246	----	----
Puerto Rico & Virgin Islands	1,140,199	691,255	105,671	88,785	40,148	33,499	----	----	----	180,841	----
Other Pacific Islands	86,539	----	----	----	86,016	----	----	523	----	----	----
Total-Dry	13,456,400	2,777,504	459,221	666,890	2,120,974	695,451	----	2,455,390	1,089,448	3,016,268	175,254

SELF-PROPELLED TANKER

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	18,832,208	16,600,842	810,533	969,002	421,698	1,478	2,794	----	----	25,861	----
South Atlantic	1,007,503	366,924	116,665	370,626	----	----	----	----	----	153,288	----
Gulf	70,142,948	43,666,257	12,999,518	10,305,477	1,758,373	245,641	75,633	61,773	----	1,030,276	----
California	26,901,043	455,296	83,609	274,895	17,834,396	5,974,016	----	1,335,499	943,332	----	----
Pacific	2,741,331	41,649	----	54,374	2,369,496	141,811	----	31,261	102,740	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaii	1,286,075	----	----	----	1,037,176	161,727	----	79,355	7,817	----	----
Alaska	9,082,344	----	----	----	7,033,468	822,091	----	----	1,226,785	----	----
Puerto Rico & Virgin Islands	29,037,654	22,665,679	4,408,213	1,918,990	----	----	----	----	----	44,772	----
Other Pacific Islands	30,633	----	----	----	30,633	----	----	----	----	----	----
Total-Tanker	159,061,739	83,796,647	18,418,538	13,893,364	30,485,240	7,346,764	78,427	1,507,888	2,280,674	1,254,197	----

*See pages 97-109 for Great Lakes Data

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES

BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL

CALENDAR YEAR 1976 (SHORT TONS)

AREA OF SHIPPING / AREA OF RECEIVING

NON-SELF-PROPELLED DRY CARGO VESSEL

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	3,852,209	3,301,393	355,208	27,262	36,538	----	----	----	----	131,808	----
South Atlantic	273,767	140	23,810	35,919	----	----	----	----	----	213,898	----
Gulf	11,282,934	49,323	11,816	10,454,227	3,000	----	78,021	----	----	686,547	----
California	224,638	----	----	----	19,769	51,531	----	118,594	13,686	21,058	----
Pacific	1,776,360	4,789	7,234	----	743,419	134,466	----	181,516	702,936	----	2,000
Great Lakes	52,401	----	----	52,401	----	----	Excluded*	----	----	----	----
Hawaii	1,617,898	----	----	----	46,802	941	----	1,550,622	----	----	19,533
Alaska	376,124	----	----	----	12,000	290,891	----	----	73,233	----	----
Puerto Rico & Virgin Islands	590,267	152,415	118,664	35,410	----	----	----	----	----	283,778	----
Other Pacific Islands	43,512	----	----	----	510	----	----	25,368	----	----	17,634
Total-Dry	20,090,110	3,508,060	516,732	10,605,219	862,038	477,829	78,021	1,876,100	789,855	1,337,089	39,167

NON-SELF-PROPELLED TANK VESSEL

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	25,552,773	25,134,491	279,832	125,219	----	----	10,227	----	----	3,004	----
South Atlantic	956,737	128,887	593,742	194,648	----	----	----	----	----	39,460	----
Gulf	14,218,714	1,718,320	4,389,403	7,962,143	41,908	----	4,350	----	----	102,590	----
California	1,460,565	----	----	----	1,311,007	140,498	----	9,060	----	----	----
Pacific	522,927	----	----	----	258,340	75,647	----	38,173	150,767	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaii	386,423	----	----	----	----	----	----	386,423	----	----	----
Alaska	697,788	----	----	----	----	21,785	----	----	676,003	----	----
Puerto Rico & Virgin Islands	3,679,045	407,730	642,608	190,504	----	----	----	----	----	2,438,203	----
Other Pacific Islands	17,358	----	----	----	----	----	----	----	----	----	17,358
Total-Tank	47,492,330	27,389,428	5,905,585	8,472,514	1,611,255	237,930	14,577	433,656	826,770	2,583,257	17,358

*See pages 97-109 for Great Lakes Data

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES

BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL

CALENDAR YEAR 1977 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

SELF-PROPELLED DRY CARGO VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific N.W.	Great Lakes	Hawaiian Islands	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	2,867,627	560,059	233,561	195,621	185,183	320	----	54,841	----	1,630,004	8,038
South Atlantic	935,399	350,075	1,328	10,404	160,839	53	----	4,793	----	406,785	1,122
Gulf	1,108,391	414,062	286	149,358	26,740	173,758	----	----	----	344,187	----
California	2,385,805	134,379	134	17	22,465	30,803	----	1,781,495	----	239,126	177,386
Pacific Northwest	1,377,648	93,309	9,749	104	30,734	22	----	241,794	1,001,926	----	10
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaiian Islands	2,206,034	25,333	----	136,504	1,389,410	142,571	----	511,957	----	----	259
Alaska	299,512	----	----	----	----	209,115	----	----	90,397	----	----
Puerto Rico & Virgin Islands	939,939	603,533	74,172	78,466	42,362	----	----	----	----	141,406	----
Other Pacific Islands	60,880	----	----	----	56,011	----	----	4,869	----	----	----
Total-Dry	12,181,235	2,180,750	319,230	570,474	1,913,744	556,642	----	2,599,749	1,092,323	2,761,508	186,815

SELF-PROPELLED TANKER VESSEL

North Atlantic	19,814,646	16,833,430	1,325,838	1,532,689	89,947	1,025	13,454	----	----	18,263	----
South Atlantic	1,239,152	318,368	219,397	599,105	----	----	----	----	----	102,282	----
Gulf	73,563,976	44,550,311	14,925,761	12,245,256	1,335,914	64,634	28,508	----	----	413,592	----
California	26,857,439	573,869	38,854	345,507	17,699,262	6,176,046	----	1,222,177	801,724	----	----
Pacific Northwest	2,289,162	23,166	----	15,294	1,966,908	225,175	----	47,336	11,283	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaiian Islands	1,194,219	----	----	----	1,023,215	101,314	----	69,690	----	----	----
Alaska	16,719,451	54,522	----	95,718	11,582,298	3,795,375	----	----	1,191,538	----	----
Puerto Rico & Virgin Islands	27,201,544	20,543,382	4,384,079	1,958,213	118,080	27,767	----	----	----	170,023	----
Other Pacific Islands	----	----	----	----	----	----	----	----	----	----	----
Total-Tanker	168,879,589	82,897,048	20,893,929	16,791,782	33,815,624	10,391,336	41,962	1,339,203	2,004,545	704,160	----

*See pages 97-109 for Great Lakes Data

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BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL

CALENDAR YEAR 1977 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

NON-SELF-PROPELLED VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific N.W.	Great Lakes	Hawaiian Islands	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.
North Atlantic	4,217,893	3,629,010	350,463	38,142	----	----	254	----	----	200,024	----
South Atlantic	305,387	13,690	34,983	7,805	----	----	----	----	----	248,909	----
Gulf	13,133,594	148,775	11,122	12,294,261	800	----	107,869	----	----	570,767	----
California	138,838	----	----	20	25,325	37,067	----	63,502	11,296	----	1,628
Pacific Northwest	1,920,082	----	330	----	746,940	393,292	----	181,375	590,187	----	7,958
Great Lakes	78,873	----	----	78,873	----	----	Excluded*	----	----	----	----
Hawaiian Islands	1,613,123	----	----	----	117,563	4,658	----	1,485,451	----	----	5,451
Alaska	436,011	----	----	----	36,000	278,143	----	----	121,868	----	----
Puerto Rico & Virgin Islands	467,977	71,466	86,238	61,928	----	----	----	----	----	248,345	----
Other Pacific Islands	9,028	----	----	----	----	----	----	2,735	----	----	6,293
Total-Dry	22,241,933	3,862,941	483,136	12,481,029	926,628	713,160	108,123	1,733,063	723,351	1,268,045	21,330

NON-SELF-PROPELLED TANK VESSELS

North Atlantic	25,039,755	24,625,899	224,618	176,762	----	----	8,039	----	----	4,437	----
South Atlantic	349,360	32,312	291,118	14,295	----	----	----	----	----	11,635	----
Gulf	13,039,047	1,510,388	5,139,594	6,309,169	----	----	17,308	----	----	62,588	----
California	1,695,107	----	----	----	1,493,661	201,446	----	----	----	----	----
Pacific Northwest	590,475	----	----	----	194,581	95,628	----	20,852	279,414	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----
Hawaiian Islands	255,269	----	----	----	----	----	----	255,269	----	----	----
Alaska	194,256	----	----	----	----	53,363	----	----	140,893	----	----
Puerto Rico & Virgin Isl.	4,448,508	265,854	835,852	252,181	----	----	----	----	----	3,094,621	----
Other Pacific Islands	21,168	----	----	----	----	----	----	----	----	----	21,168
Total-Tank	45,632,945	26,434,453	6,491,182	6,752,407	1,688,242	350,437	25,347	276,121	420,307	3,173,281	21,168

*See pages 97-109 for Great Lakes Data

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES
BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL
CALENDAR YEAR 1978 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

SELF-PROPELLED VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.	Panama
North Atlantic	2,829,794	640,536	62,044	64,730	61,873	1,238	----	58,957	----	1,927,725	12,691	----
South Atlantic	926,047	180,391	100	610	179,646	----	----	7,958	----	555,649	1,693	----
Gulf	956,901	227,991	617	75,147	17,571	278,358	----	----	----	357,217	----	----
California	1,986,390	19,390	12,693	13,489	1,414	9,724	----	1,565,295	----	179,607	184,778	----
Pacific	1,304,435	32,899	5,220	241	2	----	----	222,881	1,043,192	----	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----	----
Hawaii	2,170,958	----	----	128,045	1,338,704	87,262	----	616,505	----	----	442	----
Alaska	411,596	----	----	----	1	265,844	----	----	145,751	----	----	----
Puerto Rico & Virgin Islands	1,429,723	1,087,049	119,943	61,101	1,373	2	----	----	----	160,255	----	----
Other Pacific Islands	68,908	----	----	----	65,175	----	----	3,733	----	----	----	----
Panama	----	----	----	----	----	----	----	----	----	----	----	----
Total-Dry	12,084,752	2,188,256	200,617	343,363	1,665,759	642,428	----	2,475,329	1,188,943	3,180,453	199,604	----
North Atlantic	18,109,257	15,826,183	1,119,118	1,093,526	40,661	950	----	----	----	28,819	----	----
South Atlantic	979,059	322,663	70,206	454,805	----	----	----	----	----	131,385	----	----
Gulf	64,470,931	35,457,849	14,509,382	11,661,198	2,279,017	203,346	73,963	1,214	----	284,962	----	----
California	23,444,737	1,396,302	140,341	1,077,700	12,120,239	6,382,214	----	1,042,489	737,663	253,971	----	293,818
Pacific	2,816,965	23,019	----	247,288	2,328,415	129,992	----	19,481	37,918	30,852	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----	----
Hawaii	1,004,725	----	----	----	759,529	163,087	----	82,109	----	----	----	----
Alaska	60,811,396	254,003	----	629,663	29,616,403	9,518,349	----	616,272	1,180,079	288,845	----	18,707,782
Puerto Rico & Virgin Islands	28,099,237	22,330,430	4,169,741	1,403,878	138,584	25,236	----	----	----	31,368	----	----
Other Pacific Islands	----	----	----	----	----	----	----	----	----	----	----	----
Panama	18,075,376	3,845,278	----	11,970,918	----	----	----	----	----	2,259,180	----	----
Total-Tanker	217,811,683	79,455,727	20,008,788	28,538,976	47,282,848	16,423,174	73,963	1,761,565	1,955,660	3,309,382	----	19,001,600

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES
BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL
CALENDAR YEAR 1978 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

NON-SELF-PROPELLED VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.	Panama
North Atlantic	6,383,065	5,856,466	339,828	46,646	12,745	2,400	1,300	----	----	123,680	----	----
South Atlantic	373,983	26,850	17,543	13,182	----	----	----	----	----	316,408	----	----
Gulf	12,281,219	41,020	24,167	11,417,350	----	----	86,533	720	----	711,429	----	----
California	76,344	----	----	----	17,819	17,854	----	33,038	7,633	----	----	----
Pacific	2,226,154	660	----	----	749,599	609,052	----	198,934	664,334	----	3,575	----
Great Lakes	62,102	----	----	62,102	----	----	Excluded*	----	----	----	----	----
Hawaii	2,383,246	----	----	----	109,216	224	----	2,259,966	----	----	13,840	----
Alaska	723,319	----	----	----	177,826	410,057	----	----	135,436	----	----	----
Puerto Rico & Virgin Islands	509,713	48,991	160,125	18,560	----	----	----	----	----	282,037	----	----
Other Pacific Islands	8,039	----	----	----	----	----	----	975	----	----	7,064	----
Panama	----	----	----	----	----	----	----	----	----	----	----	----
Total-Dry	25,027,184	5,973,987	541,663	11,557,840	1,067,205	1,039,587	87,833	2,493,633	807,403	1,433,554	24,479	----
North Atlantic	27,403,318	26,989,039	306,100	103,679	----	----	----	----	----	4,500	----	----
South Atlantic	556,136	92,403	402,746	60,987	----	----	----	----	----	----	----	----
Gulf	15,795,809	1,580,451	6,295,065	7,850,420	----	----	----	----	----	69,873	----	----
California	1,143,427	13,859	----	16,613	949,792	163,163	----	----	----	----	----	----
Pacific	609,673	----	----	----	112,356	70,601	----	----	426,716	----	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----	----
Hawaii	96,267	----	----	----	----	----	----	96,267	----	----	----	----
Alaska	392,823	----	----	----	----	52,763	----	----	340,060	----	----	----
Puerto Rico & Virgin Islands	3,985,878	146,929	719,055	322,592	----	----	----	----	----	2,797,302	----	----
Other Pacific Islands	30,446	----	----	----	----	----	----	----	----	----	30,446	----
Panama	132,058	----	----	84,767	----	----	----	----	----	47,291	----	----
Total-Tank	50,145,835	28,822,681	7,722,966	8,439,058	1,062,148	286,527	----	96,267	766,776	2,918,966	30,446	----

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CALENDAR YEAR 1979 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

SELF-PROPELLED VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.	Panama
North Atlantic	2,409,191	553,884	37,613	31,491	9,187	351	----	50,280	----	1,719,097	7,288	----
South Atlantic	730,814	166,752	----	124	24,892	----	----	8,022	1,922	527,931	1,171	----
Gulf	865,332	144,248	49,822	10,952	302	252,056	----	----	68	407,884	----	----
California	1,865,063	14,373	71	290	8,440	39,078	----	1,669,518	----	5,661	127,632	----
Pacific	1,144,773	----	----	198	----	508	----	223,974	920,093	----	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----	----
Hawaii	2,183,165	----	----	----	1,524,942	111,924	----	545,438	----	----	861	----
Alaska	876,392	22	----	----	129,079	380,406	----	----	366,885	----	----	----
Puerto Rico & Virgin Islands	1,148,486	754,938	112,959	89,004	8,640	----	----	----	----	182,945	----	----
Other Pacific Islands	11,745	----	----	----	11,731	----	----	14	----	----	----	----
Panama	----	----	----	----	----	----	----	----	----	----	----	----
Total-Dry	11,234,961	1,634,217	200,465	132,059	1,717,213	784,323	----	2,497,246	1,288,968	2,843,518	136,952	----
North Atlantic	18,145,280	14,830,306	556,733	2,661,669	----	----	----	----	----	96,572	----	----
South Atlantic	986,951	229,380	85,649	502,664	----	----	----	----	----	169,258	----	----
Gulf	66,085,605	34,066,341	15,188,027	13,944,661	1,972,111	171,257	60,658	52,661	----	629,889	----	----
California	24,823,253	567,748	97,647	645,606	14,319,616	7,036,231	----	854,395	592,856	395,988	----	313,166
Pacific	2,747,748	29,922	----	36,431	2,236,941	385,975	----	43,528	14,951	----	----	----
Great Lakes	25,562	25,562	----	----	----	----	Excluded*	----	----	----	----	----
Hawaii	848,462	51,728	----	----	569,194	98,217	----	125,244	----	----	4,079	----
Alaska	65,604,044	122,709	----	141,864	41,262,929	9,832,980	----	2,246,805	445,958	131,111	----	11,419,688
Puerto Rico & Virgin Islands	29,291,213	23,328,502	3,662,356	2,144,150	46,580	65,698	----	----	----	43,927	----	----
Other Pacific Islands	----	----	----	----	----	----	----	----	----	----	----	----
Panama	10,166,960	2,013,197	----	5,668,246	----	----	----	----	----	2,485,517	----	----
Total-Tanker	218,725,078	75,265,395	19,590,412	25,745,291	60,407,371	17,590,358	60,658	3,322,633	1,053,765	3,952,262	4,079	11,732,854

*See pages 97-109 for Great Lakes Data

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DOMESTIC OCEANBORNE COMMERCE OF THE UNITED STATES
BETWEEN GEOGRAPHICAL AREAS - BY TYPE OF VESSEL
CALENDAR YEAR 1979 (SHORT TONS)

AREA OF SHIPPING — AREA OF RECEIVING

NON-SELF-PROPELLED VESSELS

	Total Tons	North Atlantic	South Atlantic	Gulf	California	Pacific	Great Lakes	Hawaii	Alaska	Puerto Rico & Vir. Isl.	Other Pacific Islands Trust Terr.	Panama
North Atlantic	4,463,085	3,905,483	352,329	59,500	----	----	5,470	----	----	140,303	----	----
South Atlantic	663,649	187,637	4,652	31,641	----	----	----	----	----	439,719	----	----
Gulf	11,214,691	120,566	80,488	10,079,771	18,016	----	71,313	----	----	844,537	----	----
California	162,580	----	----	----	21,748	63,775	----	77,057	----	----	----	----
Pacific	2,425,147	----	2,700	----	809,211	737,138	----	201,906	672,992	----	1,200	----
Great Lakes	37,290	----	----	37,290	----	----	Excluded*	----	----	----	----	----
Hawaii	2,224,072	----	----	----	134,611	131	----	2,077,662	----	----	11,468	----
Alaska	537,556	----	----	----	95,192	343,693	----	----	98,671	----	----	----
Puerto Rico & Virgin Islands	442,329	16,617	21,694	80,382	----	----	----	----	----	323,636	----	----
Other Pacific Islands	8,274	----	----	----	----	----	----	1,059	----	----	7,215	----
Panama	----	----	----	----	----	----	----	----	----	----	----	----
Total-Dry	22,178,673	4,230,303	461,863	10,288,584	1,078,978	1,144,737	76,783	2,357,684	771,663	1,748,195	19,883	----
North Atlantic	24,854,227	24,439,388	296,198	102,144	----	----	6,954	----	----	9,543	----	----
South Atlantic	840,111	107,507	656,622	75,982	----	----	----	----	----	----	----	----
Gulf	13,399,613	988,991	6,031,273	6,165,218	36,086	50,694	----	----	----	127,351	----	----
California	485,411	11,484	----	----	294,185	149,502	----	----	----	30,240	----	----
Pacific	578,416	----	----	----	115,110	80,474	----	----	382,832	----	----	----
Great Lakes	----	----	----	----	----	----	Excluded*	----	----	----	----	----
Hawaii	233,910	----	----	----	----	----	----	233,910	----	----	----	----
Alaska	407,409	----	----	----	----	38,613	----	----	368,796	----	----	----
Puerto Rico & Virgin Islands	4,893,543	157,311	951,817	334,256	----	----	----	----	----	3,450,159	----	----
Other Pacific Islands	34,118	----	----	----	----	----	----	----	----	----	34,118	----
Panama	----	----	----	----	----	----	----	----	----	----	----	----
Total-Tanker	45,726,758	25,704,681	7,935,910	6,677,600	445,381	319,283	6,954	233,910	751,628	3,617,293	34,118	----

*See pages 97-109 for Great Lakes Data

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REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED DRY CARGO VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	DULUTH	25.821.598	17.55	996.679	.68	26.818 277	9.11
2	DETROIT	138.113	.09	20.474.468	13.91	20.612 581	7.00
3	SILVER BAY	19.607.323	13.32	592.028	.40	20.199 351	6.86
4	SUPERIOR	18.641.623	12.67	857.056	.58	19.498 679	6.62
5	TOLEDO	10.751.970	7.31	8.307.885	5.65	19.059 855	6.48
6	ESCANABA	16.550.785	11.25	209.108	.14	16.759 893	5.69
7	CLEVELAND	327.731	.22	14.205.253	9.65	14.532 984	4.94
8	EAST CHICAGO	409.788	.28	13.130.484	8.92	13.540 272	4.60
9	CONNEAUT	2.870.415	1.95	9.684.531	6.58	12.554 946	4.27
10	CHICAGO	2.944.830	2.00	7.779.439	5.29	10.724 269	3.64
11	ALPENA	9.116.669	6.19	1.381.432	.94	10.498 101	3.57
12	ROGERS CITY	8.488.246	5.77	618.805	.42	9.107 051	3.09
13	ASHTABULA	1.713.485	1.16	6.300.534	4.28	8.014 019	2.72
14	GARY	0	.00	6.992.151	4.75	6.992 151	2.38
15	BUFFALO	27.766	.02	6.384.837	4.34	6.412 603	2.18
16	MARQUETTE	3.746.190	2.55	2.354.268	1.60	6.100 458	2.07
17	BURNS HARBOR	103.682	.07	5.948.266	4.04	6.051 948	2.06
18	MUSKEGON	1.177.231	.80	4.526.276	3.08	5.703 507	1.94
19	LORAIN	0	.00	4.355.879	2.96	4.355 879	1.48
20	SANDUSKY	3.908.628	2.66	196.146	.13	4.104 774	1.39
21	SAGINAW-BAY CITY	1.299.347	.88	2.684.464	1.82	3.983 811	1.35
22	PORT HURON	0	.00	3.958.893	2.69	3.958 893	1.35
23	SAULT STE. MARIE	3.759.891	2.55	38.340	.03	3.798 231	1.29
24	SAN JUAN	861.800	.59	2.678.902	1.82	3.540 702	1.20
25	HURON	0	.00	3.277.916	2.23	3.277 916	1.11
26	HONOLULU	1.163.194	.79	2.057.008	1.40	3.220 202	1.09
27	NEW YORK	1.740.055	1.18	1.183.855	.80	2.923.910	.99
28	MILWAUKEE	124.590	.08	2.697.317	1.83	2.821.907	.96
29	MANITOWOC	1.489.210	1.01	1.047.258	.71	2.536 468	.86
30	GREEN BAY	0	.00	2.488.327	1.69	2.488.327	.85
31	FAIRPORT	239.512	.16	1.489.402	1.01	1.728.914	.59
32	OAKLAND + ALAMEDA	1.116.958	.76	470.692	.32	1.587.650	.54
33	DE TOUR VILLAGE	1.443.599	.98	0	.00	1.443.599	.49
34	TRAVERSE CITY	945.809	.64	402.664	.27	1.348.473	.46
35	LOS ANGELES	668.936	.45	283.892	.19	952 828	.32
36	ANCHORAGE	121.286	.08	793.618	.54	914.904	.31
37	FERRYSBURG	198.965	.14	688.755	.47	887.720	.30
38	SEATTLE	572.801	.39	281.311	.19	854.112	.29
39	CARQUINEZ STRAIT	0	.00	848.236	.58	848.236	.29
40	BALTIMORE	573.312	.39	264.550	.18	837.862	.28
41	KODIAK	406.417	.28	397.566	.27	803.983	.27
42	HILO	388.957	.26	198.492	.13	587.449	.20
43	KAHULUI	367.258	.25	183.750	.12	551.008	.19

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED DRY CARGO VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	TACOMA	467.001	.32	78.551	.05	545 552	.19
45	NEW ORLEANS	367.305	.25	59.200	.04	426 505	.14
46	JACKSONVILLE	337.998	.23	59.538	.04	397 536	.14
47	BENTON HARBOR	0	.00	391.916	.27	391 916	.13
48	HOLLAND	0	.00	388.168	.26	388 168	.13
49	CHARLESTON	285.165	.19	97.321	.07	382 486	.13
50	ERIE	0	.00	347.966	.24	347 966	.12
51	ASHLAND	7.823	.01	327.118	.22	334 941	.11
52	NAWILIWILI-PT. ALLEN	263.756	.18	57.996	.04	321 752	.11
53	VALDEZ	276.739	.19	12.412	.01	289 151	.10
54	CORPUS CHRISTI	257.367	.17	0	.00	257 367	.09
55	LONGVIEW	0	.00	252.038	.17	252 038	.09
56	HOUSTON	165.427	.11	58.576	.04	224 003	.08
57	SHEBOYGAN	41.950	.03	168.348	.11	210 298	.07
58	GUAYANILLA	148.760	.10	29.125	.02	177 885	.06
59	GUAM ISLAND	11.745	.01	136.952	.09	148 697	.05
60	PORTLAND, ORE.	104.971	.07	41.826	.03	146 797	.05
61	LONG BEACH	62.429	.04	81.473	.06	143 902	.05
62	BELLINGHAM	0	.00	130.573	.09	130 573	.04
63	BOSTON	46.443	.03	81.527	.06	127 970	.04
64	CHRISTIANSTED	52.494	.04	36.624	.02	89 118	.03
65	MARINETTE	0	.00	77.592	.05	77 592	.03
66	PHILADELPHIA	17.044	.01	58.846	.04	75 890	.03
67	MIAMI	59.889	.04	14.155	.01	74 044	.03
68	FAJARDO	37.786	.03	32.465	.02	70 251	.02
69	ANCHORAGE/UNIMAK	26.959	.02	39.160	.03	66 119	.02
70	CHARLETTE AMALIE	12.183	.01	48.738	.03	60 921	.02
71	GRAND HAVEN	0	.00	60.675	.04	60 675	.02
72	SAVANNAH	47.762	.03	6.078	.00	53 840	.02
73	PORT ARTHUR	44.352	.03	0	.00	44 352	.02
74	CHEBOYGAN	0	.00	41.166	.03	41 166	.01
75	PONCE	23.844	.02	16.034	.01	39 878	.01
76	OSWEGO	0	.00	35.233	.02	35 233	.01
77	TEXAS CITY	24.948	.02	9.626	.01	34 574	.01
78	ALEUTIAN ISLANDS	18.912	.01	14.428	.01	33 340	.01
79	MACKINAC ISLAND	8.089	.01	18.724	.01	26 813	.01
80	STOCKTON	0	.00	24.582	.02	24 582	.01
81	WILMINGTON, N.C.	0	.00	23.323	.02	23 323	.01
82	NEW HAVEN	0	.00	22.483	.02	22 483	.01
83	NORFOLK	15.706	.01	5.210	.00	20 916	.01
84	OGDENSBURG	20.909	.01	0	.00	20 909	.01
85	DILLINGHAM	9.007	.01	6.422	.00	15 429	.01
86	MELLVILLE	5.883	.00	7.166	.00	13 049	.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED DRY CARGO VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	KING COVE	8.754	.01	3.850	.00	12.604	.00
88	MAYAGUEZ	11.619	.01	0	.00	11 619	.00
89	LAKE CHARLES	5.883	.00	4.657	.00	10.540	.00
90	KINNEGNAK	3.773	.00	6.347	.00	10.120	.00
91	SAN DIEGO	8.402	.01	0	.00	8.402	.00
92	VENTURA	0	.00	8.338	.01	8 338	.00
93	PORT HUENEME	8.338	.01	0	.00	8 338	.00
94	NO. OF NOME	54	.00	8.095	.01	8.149	.00
95	STURGEON BAY	3.942	.00	3.942	.00	7.884	.00
96	ROCKLAND	820	.00	6.006	.00	6.826	.00
97	BAR HARBOR	3.998	.00	0	.00	3 998	.00
98	KETCHIKAN	1.910	.00	1.650	.00	3.560	.00
99	PORTLAND, ME.	1.554	.00	1.566	.00	3 120	.00
100	NEW LONDON	1.372	.00	1.209	.00	2.581	.00
101	BANGOR	1.657	.00	601	.00	2.258	.00
102	ST. LAWRENCE ISL.	0	.00	1.980	.00	1.980	.00
103	NEW BEDFORD	903	.00	903	.00	1.806	.00
104	FREDERIKSTED	0	.00	1.630	.00	1.630	.00
105	HOOPER BAY	0	.00	1.111	.00	1.111	.00
106	NAKNEK	476	.00	611	.00	1.087	.00
107	KENAI	400	.00	435	.00	835	.00
108	SEWARD	550	.00	230	.00	780	.00
109	EASTPORT	288	.00	261	.00	549	.00
110	PELICAN	415	.00	83	.00	498	.00
111	YUKON RIVER	388	.00	35	.00	423	.00
112	ST. MICHAEL	0	.00	415	.00	415	.00
113	OLD HARBOR	0	.00	398	.00	398	.00
114	NOME	192	.00	121	.00	313	.00
115	BETHEL	150	.00	0	.00	150	.00
116	GRAND PORTAGE	64	.00	64	.00	128	.00
117	GLOUCESTER, MASS.	80	.00	20	.00	100	.00
118	BATH	62	.00	0	.00	62	.00
119	BRUNSWICK	0	.00	50	.00	50	.00
120	MORGAN CITY	50	.00	0	.00	50	.00
121	ASTORIA	0	.00	23	.00	23	.00
122	PLYMOUTH	9	.00	9	.00	18	.00
123	EGEGIK	10	.00	0	.00	10	.00
124	SALEM	0	.00	5	.00	5	.00
125	BRIDGEPORT	5	.00	0	.00	5	.00
126	ABERDEEN-HOQUIAM	0	.00	1	.00	1	.00
127	WRANGELL	0	.00	1	.00	1	.00
	* TOTAL FOR ALL PORTS	147.164.734	50.00	147.164.734	50.00	294.329.468	100.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED TANKER VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	VALDEZ	59.867.972	27.02	24.940	.01	59.892.912	13.52
2	NEW YORK	7.171.602	3.24	26.557.200	11.99	33.728.802	7.61
3	CHRISTIANSTED	24.956.749	11.26	990.480	.45	25.947.229	5.86
4	PUERTO ARMUELLES	10.166.960	4.59	11.732.854	5.30	21.899.814	4.94
5	HOUSTON	15.001.120	6.77	2.890.416	1.30	17.891.536	4.04
6	LOS ANGELES	4.790.799	2.16	10.598.530	4.78	15.389.329	3.47
7	LONG BEACH	2.109.091	.95	13.102.241	5.91	15.211.332	3.43
8	RICHMOND, CALIF.	4.640.717	2.09	8.467.415	3.82	13.108.132	2.96
9	BOSTON	826.750	.37	11.849.282	5.35	12.676.032	2.86
10	CARQUINEZ STRAIT	2.923.246	1.32	9.233.280	4.17	12.156.526	2.74
11	CORPUS CHRISTI	10.590.104	4.78	804.910	.36	11.395.014	2.57
12	TAMPA	46.621	.02	11.026.182	4.98	11.072.803	2.50
13	BELLINGHAM	1.161.227	.52	9.053.064	4.09	10.214.291	2.30
14	BEAUMONT	7.410.605	3.34	1.776.454	.80	9.187.059	2.07
15	BATON ROUGE	4.938.571	2.23	4.039.517	1.82	8.978.088	2.03
16	EL SEGUNDO	2.167.573	.98	6.804.718	3.07	8.972.291	2.02
17	PORT ARTHUR	7.124.720	3.22	1.072.993	.48	8.197.713	1.85
18	MARCUS HOOK	1.670.383	.75	5.417.558	2.44	7.087.941	1.60
19	PORT EVERGLADES	687.552	.31	5.902.236	2.66	6.589.788	1.49
20	ANCHORAGE/UNIMAK	4.966.068	2.24	248.045	.11	5.214.113	1.18
21	PORTLAND, ORE.	259.800	.12	4.933.172	2.23	5.192.972	1.17
22	PHILADELPHIA	3.164.437	1.43	1.882.813	.85	5.047.250	1.14
23	TEXAS CITY	4.661.213	2.10	351.458	.16	5.012.671	1.13
24	MORRO	4.207.720	1.90	777.680	.35	4.985.400	1.12
25	DESTREHAN	4.538.443	2.05	365.438	.16	4.903.881	1.11
26	JACKSONVILLE	18.061	.01	4.660.065	2.10	4.678.126	1.06
27	NEW HAVEN	139.094	.06	4.167.626	1.88	4.306.720	.97
28	NEW ORLEANS	3.554.549	1.60	499.997	.23	4.054.546	.91
29	HONOLULU	848.462	.38	3.168.968	1.43	4.017.430	.91
30	PROVIDENCE	70.319	.03	3.905.661	1.76	3.975.980	.90
31	SAN FRANCISCO	401.131	.18	3.524.236	1.59	3.925.367	.89
32	PAULSBORO	1.690.935	.76	1.820.887	.82	3.511.822	.79
33	HUMACAO	1.528.148	.69	1.892.527	.85	3.420.675	.77
34	SAN PABLO BAY	1.666.049	.75	1.712.235	.77	3.378.284	.76
35	WILMINGTON, DEL.	2.243.436	1.01	978.413	.44	3.221.849	.73
36	WILMINGTON, N.C.	216.979	.10	2.905.219	1.31	3.122.198	.70
37	BALTIMORE	35.854	.02	3.058.184	1.38	3.094.038	.70
38	GUAYANILLA	2.010.375	.91	755.701	.34	2.766.076	.62
39	PORTLAND, ME.	442.787	.20	2.304.738	1.04	2.747.525	.62
40	CHARLESTON	0	.00	2.740.758	1.24	2.740.758	.62
41	LAKE CHARLES	1.963.614	.89	564.660	.25	2.528.274	.57
42	SAN DIEGO	57.527	.03	2.319.416	1.05	2.376.943	.54
43	PASCAGOULA	1.658.036	.75	422.176	.19	2.080.212	.47

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REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED TANKER VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	CAMDEN	218.504	.10	1.761.452	.79	1.979.956	.45
45	FREEPORT	1.009.833	.46	953.743	.43	1.963.576	.44
46	NEW LONDON	83.912	.04	1.803.057	.81	1.886.969	.43
47	NORFOLK	17.818	.01	1.793.693	.81	1.811.511	.41
48	ANACORTES	1.209.045	.55	559.450	.25	1.768.495	.40
49	SEATTLE	46.024	.02	1.685.739	.76	1.731.763	.39
50	EAST CHICAGO	1.681.132	.76	5.976	.00	1.687.108	.38
51	FALL RIVER	46.850	.02	1.496.951	.68	1.543.801	.35
52	SAVANNAH	51.924	.02	1.488.659	.67	1.540.583	.35
53	ALBANY	58.361	.03	1.443.830	.65	1.502.191	.34
54	GALVESTON	1.315.104	.59	97.845	.04	1.412.949	.32
55	VENTURA	1.086.736	.49	282.659	.13	1.369.395	.31
56	PORTSMOUTH, N. H.	150.759	.07	1.161.207	.52	1.311.966	.30
57	PORT HUENEME	0	.00	1.109.216	.50	1.109.216	.25
58	MONTEREY	0	.00	1.055.555	.48	1.055.555	.24
59	SAN JUAN	793.029	.36	255.609	.12	1.048.638	.24
60	PORT SAN LUIS	438.634	.20	448.601	.20	887.235	.20
61	BRIDGEPORT	57.732	.03	804.767	.36	862.499	.19
62	KENAI	753.175	.34	92.762	.04	845.937	.19
63	MOBILE	529.175	.24	283.783	.13	812.958	.18
64	NEWPORT NEWS	0	.00	745.070	.34	745.070	.17
65	GRAMERCY	596.434	.27	113.084	.05	709.518	.16
66	BEAUFORT-MOREHEAD CITY	5.928	.00	690.969	.31	696.897	.16
67	SUISUN BAY	305.562	.14	328.649	.15	634.211	.14
68	TACOMA	33.858	.02	471.816	.21	505.674	.11
69	SALEM	0	.00	491.075	.22	491.075	.11
70	BANGOR	0	.00	448.836	.20	448.836	.10
71	TOLEDO	426.593	.19	16.001	.01	442.594	.10
72	POTOMAC RIV.BELOW WASH. D.C.	34.558	.02	390.469	.18	425.027	.10
73	ST. ROSE	373.117	.17	50.798	.02	423.915	.10
74	MILWAUKEE	0	.00	415.454	.19	415.454	.09
75	SABINE	407.583	.18	0	.00	407.583	.09
76	PORT CANAVERAL	0	.00	396.539	.18	396.539	.09
77	SAGINAW-BAY CITY	159.681	.07	227.305	.10	386.986	.09
78	MIAMI	0	.00	382.558	.17	382.558	.09
79	CHICAGO	145.276	.07	236.409	.11	381.685	.09
80	ESCANABA	0	.00	373.727	.17	373.727	.08
81	GEORGETOWN	0	.00	353.487	.16	353.487	.08
82	BUFFALO	142.809	.06	194.938	.09	337.747	.08
83	ANCHORAGE	5.406	.00	310.052	.14	315.458	.07
84	PENSACOLA	299.867	.14	0	.00	299.867	.07
85	PORT ANGELES	21.396	.01	273.015	.12	294.411	.07
86	TRAVERSE CITY	0	.00	287.106	.13	287.106	.06

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	SUPERIOR	98,185	.04	165,350	.07	263,535	.06
88	LONGVIEW	3,289	.00	246,507	.11	249,796	.06
89	DETROIT	160,236	.07	88,910	.04	249,146	.06
90	CLEVELAND	48,005	.02	196,561	.09	244,566	.06
91	HARTFORD	1,701	.00	242,736	.11	244,437	.06
92	SACRAMENTO	0	.00	240,175	.11	240,175	.05
93	ALEUTIAN ISLANDS	8,680	.00	212,947	.10	221,627	.05
94	ST. PETERSBURG	0	.00	214,596	.10	214,596	.05
95	COOS BAY	0	.00	185,303	.08	185,303	.04
96	GLOUCESTER CITY, N.J.	0	.00	178,816	.08	178,816	.04
97	BOCAGRANDE	0	.00	176,985	.08	176,985	.04
98	STOCKTON	0	.00	146,824	.07	146,824	.03
99	EUREKA	0	.00	142,577	.06	142,577	.03
100	PLYMOUTH	0	.00	141,054	.06	141,054	.03
101	SEARSPORT	2,618	.00	127,370	.06	129,988	.03
102	MUSKEGON	6,748	.00	105,519	.05	112,267	.03
103	SAULT STE. MARIE	0	.00	110,188	.05	110,188	.02
104	CHEBOYGAN	0	.00	104,389	.05	104,389	.02
105	GREEN BAY	0	.00	101,228	.05	101,228	.02
106	BELFAST	0	.00	98,182	.04	98,182	.02
107	MARQUETTE	0	.00	94,296	.04	94,296	.02
108	HILO	0	.00	88,830	.04	88,830	.02
109	VANCOUVER	0	.00	80,828	.04	80,828	.02
110	SAN JOAQUIN RIVER	28,378	.01	45,584	.02	73,962	.02
111	LORAIN	0	.00	71,915	.03	71,915	.02
112	KAHULUI	0	.00	64,835	.03	64,835	.01
113	KODIAK	23	.00	63,603	.03	63,626	.01
114	MELLVILLE	13,853	.01	48,246	.02	62,099	.01
115	ABERDEEN-HOQUIAM	13,109	.01	45,984	.02	59,093	.01
116	NEW BEDFORD	3,017	.00	53,842	.02	56,859	.01
117	FAJARDO	0	.00	55,705	.03	55,705	.01
118	BRUNSWICK	0	.00	55,543	.03	55,543	.01
119	OGDENSBURG	0	.00	54,713	.02	54,713	.01
120	AVONDALE	53,069	.02	0	.00	53,069	.01
121	REDWOOD CITY	90	.00	48,365	.02	48,455	.01
122	KETCHIKAN	1,075	.00	41,544	.02	42,619	.01
123	PORT ST. JOE	0	.00	40,256	.02	40,256	.01
124	JUNEAU	0	.00	37,179	.02	37,179	.01
125	NEWPORT	0	.00	30,926	.01	30,926	.01
126	KALAMA	0	.00	28,764	.01	28,764	.01
127	HOPEWELL	0	.00	27,504	.01	27,504	.01
128	PORT TOWNSEND	0	.00	26,716	.01	26,716	.01
129	RICHMOND-PETERSBURG	0	.00	24,618	.01	24,618	.01

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RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	ERIE	0	.00	22.394	.01	22.394	.01
131	OAKLAND + ALAMEDA	0	.00	19.415	.01	19.415	.00
132	SILVER BAY	0	.00	14.735	.01	14.735	.00
133	KEY WEST	0	.00	14.319	.01	14.319	.00
134	SEWARD	401	.00	11.916	.01	12.317	.00
135	BURNS HARBOR	10.370	.00	0	.00	10.370	.00
136	BROWNSVILLE + PT. ISABEL	9.315	.00	0	.00	9.315	.00
137	SHEBOYGAN	0	.00	7.871	.00	7.871	.00
138	MACKINAC ISLAND	0	.00	7.597	.00	7.597	.00
139	OSWEGO	0	.00	7.596	.00	7.596	.00
140	WEST PALM BEACH	6.507	.00	60	.00	6.567	.00
141	KING COVE	81	.00	5.277	.00	5.358	.00
142	VICKSBURG	4.512	.00	0	.00	4.512	.00
143	WAKE ISLAND	0	.00	4.079	.00	4.079	.00
144	EASTPORT	0	.00	3.597	.00	3.597	.00
145	JONESPORT	0	.00	3.538	.00	3.538	.00
146	SKAGWAY	0	.00	3.383	.00	3.383	.00
147	CHARLETTE AMALIE	2.912	.00	0	.00	2.912	.00
148	DE TOUR VILLAGE	0	.00	2.249	.00	2.249	.00
149	PONCE	0	.00	2.240	.00	2.240	.00
150	BATH	0	.00	2.197	.00	2.197	.00
151	MASSENA	0	.00	1.704	.00	1.704	.00
152	OLD HARBOR	150	.00	799	.00	949	.00
153	NO. OF NOME	696	.00	232	.00	928	.00
154	KINNEGNAK	85	.00	440	.00	525	.00
155	ST. LAWRENCE ISL.	0	.00	343	.00	343	.00
156	PELICAN	0	.00	303	.00	303	.00
157	BETHEL	232	.00	0	.00	232	.00
	* TOTAL FOR ALL PORTS	221.578.551	50.00	221.578.551	50.00	443.157.102	100.00

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	TAMPA	7.002.420	28.99	2.897.379	11.99	9.899.799	20.49
2	NEW YORK	2.744.436	11.36	2.462.834	10.20	5.207.270	10.78
3	GRAMERCY	22.607	.09	4.769.509	19.74	4.792.116	9.92
4	NEW ORLEANS	2.874.436	11.90	1.254.822	5.19	4.129.258	8.55
5	HONOLULU	1.362.810	5.64	894.603	3.70	2.257.413	4.67
6	SAN JUAN	313.387	1.30	1.269.792	5.26	1.583.179	3.28
7	DULUTH	1.542.814	6.39	0	.00	1.542.814	3.19
8	KAHULUI	435.131	1.80	627.231	2.60	1.062.362	2.20
9	HOUSTON	208.766	.86	821.359	3.40	1.030.125	2.13
10	CHICAGO	61.239	.25	943.042	3.90	1.004.281	2.08
11	ALBANY	991.595	4.10	0	.00	991.595	2.05
12	COOS BAY	630.225	2.61	351.261	1.45	981.486	2.03
13	SEATTLE	739.217	3.06	178.890	.74	918.107	1.90
14	HILO	281.475	1.17	508.033	2.10	789.508	1.63
15	BRIDGEPORT	64.540	.27	666.489	2.76	731.029	1.51
16	PORTLAND, ORE.	449.279	1.86	217.737	.90	667.016	1.38
17	GARY	44.027	.18	593.850	2.46	637.877	1.32
18	JACKSONVILLE	378.197	1.57	253.260	1.05	631.457	1.31
19	NEW HAVEN	412.819	1.71	81.851	.34	494.670	1.02
20	NAWILIWILI-PT. ALLEN	144.656	.60	327.817	1.36	472.473	.98
21	DESTREHAN	314.163	1.30	104.983	.43	419.146	.87
22	BALTIMORE	65.060	.27	312.938	1.30	377.998	.78
23	NEWPORT, ORE.	93.324	.39	261.663	1.08	354.987	.73
24	LONG BEACH	64.724	.27	289.713	1.20	354.437	.73
25	LAKE CHARLES	279.584	1.16	35.226	.15	314.810	.65
26	SAN DIEGO	0	.00	274.869	1.14	274.869	.57
27	KENAI	254.027	1.05	0	.00	254.027	.53
28	KETCHIKAN	97.977	.41	151.583	.63	249.560	.52
29	BOSTON	15	.00	246.365	1.02	246.380	.51
30	NORFOLK	42.224	.17	198.150	.82	240.374	.50
31	ST. PETERSBURG	18.201	.08	218.721	.91	236.922	.49
32	LOS ANGELES	12.543	.05	212.630	.88	225.173	.47
33	SUPERIOR	224.042	.93	0	.00	224.042	.46
34	WEST PALM BEACH	187.175	.77	35.733	.15	222.908	.46
35	WHITTIER	30.980	.13	190.316	.79	221.296	.46
36	LONGVIEW	172.663	.71	13.547	.06	186.210	.39
37	PROVIDENCE	9.000	.04	175.644	.73	184.644	.38
38	CONNEAUT	0	.00	180.135	.75	180.135	.37
39	MOBILE	155.405	.64	778	.00	156.183	.32
40	CARQUINEZ STRAIT	15.659	.06	134.514	.56	150.173	.31
41	CHRISTIANSTED	14.347	.06	133.761	.55	148.108	.31
42	ABERDEEN-HOQUIAM	59.965	.25	77.680	.32	137.645	.28
43	BELLINGHAM	127.449	.53	6.978	.03	134.427	.28

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	GUANICA	32,707	.14	100,835	.42	133,542	.28
45	MAYAGUEZ	7,494	.03	124,485	.52	131,979	.27
46	TACOMA	111,118	.46	20,385	.08	131,503	.27
47	SAVANNAH	17,625	.07	110,776	.46	128,401	.27
48	DETROIT	0	.00	113,147	.47	113,147	.23
49	ASHTABULA	0	.00	110,895	.46	110,895	.23
50	CHARLETTE AMALIE	14,589	.06	92,998	.38	107,587	.22
51	BATON ROUGE	58,850	.24	46,434	.19	105,284	.22
52	TRAVERSE CITY	100,216	.41	0	.00	100,216	.21
53	BOCAGRANDE	80,354	.33	18,723	.08	99,077	.21
54	PASCAGOULA	40,982	.17	54,579	.23	95,561	.20
55	ANCHORAGE	2,827	.01	92,562	.38	95,389	.20
56	NO. OF NOME	15,127	.06	65,272	.27	80,399	.17
57	HOPEWELL	73,403	.30	0	.00	73,403	.15
58	JUNEAU	7,354	.03	62,975	.26	70,329	.15
59	SITKA	14,864	.06	49,751	.21	64,615	.13
60	REDWOOD CITY	61,975	.26	0	.00	61,975	.13
61	ALEUTIAN ISLANDS	36,580	.15	25,082	.10	61,662	.13
62	MORGAN CITY	59,562	.25	0	.00	59,562	.12
63	STOCKTON	0	.00	58,588	.24	58,588	.12
64	PORT ARTHUR	33,296	.14	25,007	.10	58,303	.12
65	HUMACAO	57,767	.24	0	.00	57,767	.12
66	MIAMI	50,825	.21	5,036	.02	55,861	.12
67	NEW BEDFORD	26,487	.11	25,586	.11	52,073	.11
68	EUREKA	1,800	.01	44,758	.19	46,558	.10
69	MILWAUKEE	0	.00	45,108	.19	45,108	.09
70	CORPUS CHRISTI	21,607	.09	17,841	.07	39,448	.08
71	ANCHORAGE/UNIMAK	26,466	.11	10,455	.04	36,921	.08
72	WILMINGTON, DEL.	5,450	.02	31,208	.13	36,658	.08
73	SACRAMENTO	0	.00	36,604	.15	36,604	.08
74	HOLLAND	0	.00	28,952	.12	28,952	.06
75	KODIAK	280	.00	27,234	.11	27,514	.06
76	PORT HUENEME	0	.00	27,005	.11	27,005	.06
77	PETERSBURG, ALASKA	13,669	.06	10,771	.04	24,440	.05
78	CHARLESTON	10,956	.05	12,487	.05	23,443	.05
79	PONCE	9	.00	23,401	.10	23,410	.05
80	NAKNEK	10,095	.04	11,787	.05	21,882	.05
81	PORT EVERGLADES	17,921	.07	3,280	.01	21,201	.04
82	SAULT STE. MARIE	10,034	.04	10,034	.04	20,068	.04
83	EAST CHICAGO	7,179	.03	12,666	.05	19,845	.04
84	WAKE ISLAND	2,715	.01	16,835	.07	19,550	.04
85	BETHEL	4,876	.02	14,654	.06	19,530	.04
86	WILMINGTON, N.C.	0	.00	19,115	.08	19,115	.04

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87	FALL RIVER	13.661	.06	4.500	.02	18.161	.04
88	PORT CANAVERAL	0	.00	16.700	.07	16.700	.03
89	KINNEGNAK	3.740	.02	12.257	.05	15.997	.03
90	PAULSBORO	0	.00	15.352	.06	15.352	.03
91	FREEPORT	15.299	.06	0	.00	15.299	.03
92	WRANGELL	5.258	.02	8.533	.04	13.791	.03
93	PORT ANGELES	13.465	.06	0	.00	13.465	.03
94	ANACORTES	13.347	.06	0	.00	13.347	.03
95	ST. ROSE	12.394	.05	0	.00	12.394	.03
96	VANCOUVER	2.820	.01	9.157	.04	11.977	.02
97	ST. MICHAEL	0	.00	10.394	.04	10.394	.02
98	DILLINGHAM	3.339	.01	6.891	.03	10.230	.02
99	OSWEGO	10.050	.04	0	.00	10.050	.02
100	NOME	49	.00	9.419	.04	9.468	.02
101	BURNS HARBOR	1.235	.01	7.740	.03	8.975	.02
102	BEAUMONT	8.202	.03	265	.00	8.467	.02
103	ASTORIA	8.284	.03	0	.00	8.284	.02
104	ESCANABA	0	.00	7.826	.03	7.826	.02
105	MACKINAC ISLAND	7.826	.03	0	.00	7.826	.02
106	CAPE CHARLES	7.593	.03	0	.00	7.593	.02
107	GUAM ISLAND	5.367	.02	1.848	.01	7.215	.01
108	EVERETT	500	.00	6.168	.03	6.668	.01
109	PENSACOLA	1.231	.01	5.028	.02	6.259	.01
110	RICHMOND, CALIF.	5.879	.02	0	.00	5.879	.01
111	PELICAN	2.982	.01	2.788	.01	5.770	.01
112	LITTLE ROCK	0	.00	5.235	.02	5.235	.01
113	GUAYANILLA	2.029	.01	2.923	.01	4.952	.01
114	EVANSVILLE	765	.00	4.067	.02	4.832	.01
115	GEORGETOWN	650	.00	4.131	.02	4.781	.01
116	VALDEZ	385	.00	4.251	.02	4.636	.01
117	KING COVE	3.773	.02	699	.00	4.472	.01
118	NEW LONDON	0	.00	4.300	.02	4.300	.01
119	ALPENA	4.136	.02	0	.00	4.136	.01
120	PHILADELPHIA	2.765	.01	1.186	.00	3.951	.01
121	YUKON RIVER	877	.00	2.756	.01	3.633	.01
122	TEXAS CITY	1.558	.01	2.029	.01	3.587	.01
123	PITTSBURG, PA.	3.524	.01	0	.00	3.524	.01
124	SOUTH BEND-RAYMOND	3.491	.01	0	.00	3.491	.01
125	MUSKOGEE	1.360	.01	1.280	.01	2.640	.01
126	SALEM	0	.00	2.400	.01	2.400	.00
127	EGEGIK	1.835	.01	561	.00	2.396	.00
128	ST. LOUIS	960	.00	1.374	.01	2.334	.00
129	PORTSMOUTH, N. H.	265	.00	1.230	.01	1.495	.00

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REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED DRY CARGO BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	JEFFERSON CITY	0	.00	1.460	.01	1.460	.00
131	MIDWAY ISLAND	192	.00	1.200	.00	1.392	.00
132	PEORIA	1.354	.01	0	.00	1.354	.00
133	CINCINNATI	0	.00	1.298	.01	1.298	.00
134	OLYMPIA	0	.00	1.271	.01	1.271	.00
135	VICKSBURG	1.210	.01	0	.00	1.210	.00
136	PANAMA CITY	0	.00	1.187	.00	1.187	.00
137	GREENVILLE	1.182	.00	0	.00	1.182	.00
138	KEY WEST	300	.00	660	.00	960	.00
139	FORT PIERCE	0	.00	695	.00	695	.00
140	BANGOR	248	.00	248	.00	496	.00
141	SEWARD	52	.00	344	.00	396	.00
142	MARSHALL	0	.00	302	.00	302	.00
143	CROCKETT	0	.00	297	.00	297	.00
144	GRAND PORTAGE	10	.00	250	.00	260	.00
145	MARQUETTE	250	.00	10	.00	260	.00
146	FAIRPORT	0	.00	250	.00	250	.00
147	KANSAS CITY	200	.00	0	.00	200	.00
148	SKAGWAY	144	.00	0	.00	144	.00
149	CHATTANOOGA	75	.00	0	.00	75	.00
150	ST. LAWRENCE ISL.	0	.00	23	.00	23	.00
151	NEWPORT NEWS	0	.00	22	.00	22	.00
152	AVONDALE	22	.00	0	.00	22	.00
153	MCGRATH POINT	0	.00	3	.00	3	.00
	* TOTAL FOR ALL PORTS	24.155.795	50.00	24.155.795	50.00	48.311.590	100.00

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REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED TANK BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	NEW YORK	14.443.281	29.76	7.339.629	15.12	21.782.910	22.44
2	TAMPA	81.359	.17	5.546.322	11.43	5.627.681	5.80
3	NEW HAVEN	566.367	1.17	4.046.670	8.34	4.613.037	4.75
4	PORT EVERGLADES	229.091	.47	3.803.426	7.84	4.032.517	4.15
5	BOSTON	1.922.305	3.96	2.040.731	4.21	3.963.036	4.08
6	PASCAGOULA	3.557.479	7.33	97.922	.20	3.655.401	3.77
7	SAN JUAN	1.163.281	2.40	1.619.365	3.34	2.782.646	2.87
8	HUMACAO	2.703.906	5.57	0	.00	2.703.906	2.79
9	BRIDGEPORT	96.825	.20	2.181.605	4.50	2.278.430	2.35
10	PROVIDENCE	156.283	.32	2.029.234	4.18	2.185.517	2.25
11	DESTREHAN	1.856.617	3.83	7.919	.02	1.864.536	1.92
12	PORTLAND, ME.	42.996	.09	1.779.100	3.67	1.822.096	1.88
13	LAKE CHARLES	1.689.138	3.48	43.758	.09	1.732.896	1.79
14	EAST CHICAGO	1.351.117	2.78	359.889	.74	1.711.006	1.76
15	MARCUS HOOK	1.533.055	3.16	104.290	.21	1.637 345	1.69
16	WILMINGTON, DEL.	1.575.859	3.25	26.636	.05	1.602.495	1.65
17	PAULSBORO	1.415.906	2.92	186.180	.38	1.602.086	1.65
18	FALL RIVER	55.801	.11	1.512.806	3.12	1.568.607	1.62
19	CHICAGO	233.207	.48	1.233.281	2.54	1.466.488	1.51
20	TEXAS CITY	1.360.984	2.80	42.090	.09	1.403.074	1.45
21	MAYAGUEZ	0	.00	1.341.536	2.76	1.341.536	1.38
22	JACKSONVILLE	3.830	.01	1.212.266	2.50	1.216.096.	1.25
23	BEAUMONT	1.137.204	2.34	65.603	.14	1.202.807	1.24
24	HARTFORD	0	.00	1.169.805	2.41	1.169.805	1.21
25	PHILADELPHIA	1.049.971	2.16	116.218	.24	1.166.189	1.20
26	HOUSTON	918.492	1.89	215.093	.44	1.133.585	1.17
27	CORPUS CHRISTI	1.119.782	2.31	0	.00	1.119.782	1.15
28	NEW LONDON	741.571	1.53	373.781	.77	1.115.352	1.15
29	CHARLESTON	0	.00	925.913	1.91	925.913	.95
30	GUAYANILLA	498.281	1.03	367.175	.76	865.456	.89
31	NEWPORT NEWS	702.170	1.45	144.436	.30	846.606	.87
32	SAVANNAH	219.341	.45	573.020	1.18	792.361	.82
33	MIAMI	319.998	.66	438.616	.90	758.614	.78
34	ALBANY	88.279	.18	654.805	1.35	743.084	.77
35	WILMINGTON, N.C.	45.469	.09	689.762	1.42	735.231	.76
36	BALTIMORE	165.032	.34	458.307	.94	623.339	.64
37	CHRISTIANSTED	484.016	1.00	97.874	.20	581.890	.60
38	NEW ORLEANS	449.441	.93	71.836	.15	521.277	.54
39	BELFAST	0	.00	421.094	.87	421.094	.43
40	BATON ROUGE	373.691	.77	43.732	.09	417.423	.43
41	MOBILE	284.670	.59	82.320	.17	366.990	.38
42	MUSKEGON	324.433	.67	38.870	.08	363.303	.37
43	PORTSMOUTH, N. H.	127.345	.26	212.426	.44	339.771	.35

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PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED TANK BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	SEATTLE	275.588	.57	58.821	.12	334.409	.34
45	DETROIT	153.405	.32	168.263	.35	321.668	.33
46	SALEM	0	.00	318.318	.66	318.318	.33
47	TOLEDO	270.184	.56	5.024	.01	275.208	.28
48	BOCAGRANDE	1.307	.00	252.888	.52	254.195	.26
49	BUFFALO	94.153	.19	157.150	.32	251.303	.26
50	PLYMOUTH	100.585	.21	145.585	.30	246.170	.25
51	EUREKA	0	.00	232.849	.48	232.849	.24
52	HONOLULU	218.138	.45	8.626	.02	226.764	.23
53	VALDEZ	37.262	.08	177.926	.37	215.188	.22
54	DULUTH	205.484	.42	4.249	.01	209.733	.22
55	KETCHIKAN	7.088	.01	201.731	.42	208.819	.22
56	SUISUN BAY	194.841	.40	0	.00	194.841	.20
57	ANCHORAGE/UNIMAK	181.632	.37	4.527	.01	186.159	.19
58	NORFOLK	9.472	.02	175.669	.36	185.141	.19
59	CHARLETTE AMALIE	17.944	.04	160.068	.33	178.012	.18
60	ALEUTIAN ISLANDS	108.345	.22	66.556	.14	174.901	.18
61	KEY WEST	0	.00	154.759	.32	154.759	.16
62	SITKA	26.505	.05	122.769	.25	149.274	.15
63	GALVESTON	132.362	.27	0	.00	132.362	.14
64	KAHULUI	13.428	.03	113.780	.23	127.208	.13
65	FREEPORT	125.249	.26	0	.00	125.249	.13
66	COOS BAY	47.981	.10	76.823	.16	124.804	.13
67	PORT ARTHUR	120.510	.25	0	.00	120.510	.12
68	BELLINGHAM	118.844	.24	0	.00	118.844	.12
69	ESCANABA	0	.00	116.556	.24	116.556	.12
70	CARRABELLE	79.298	.16	35.540	.07	114.838	.12
71	VENTURA	112.104	.23	0	.00	112.104	.12
72	LONG BEACH	22.400	.05	76.631	.16	99.031	.10
73	BURNS HARBOR	3.000	.01	90.976	.19	93.976	.10
74	PORTLAND, ORE.	16.702	.03	75.362	.16	92.064	.09
75	LONGVIEW	4.035	.01	86.910	.18	90.945	.09
76	MACKINAC ISLAND	0	.00	90.005	.19	90.005	.09
77	RICHMOND, CALIF.	79.898	.16	5.077	.01	84.975	.09
78	NEW BEDFORD	10.245	.02	72.708	.15	82.953	.09
79	CLEVELAND	0	.00	79.647	.16	79.647	.08
80	HILO	2.068	.00	73.549	.15	75.617	.08
81	PORT LAVACA	0	.00	75.444	.16	75.444	.08
82	CARQUINEZ STRAIT	39.637	.08	33.992	.07	73.629	.08
83	TACOMA	65.104	.13	7.333	.02	72.437	.07
84	CAMDEN	33.298	.07	38.926	.08	72.224	.07
85	BEAUFORT-MOREHEAD CITY	22.382	.05	46.630	.10	69.012	.07
86	MILWAUKEE	0	.00	68.442	.14	68.442	.07

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	SUPERIOR	68.035	.14	0	.00	68.035	.07
88	SILVER BAY	67.943	.14	0	.00	67.943	.07
89	PORT ST. JOE	35.540	.07	29.355	.06	64.895	.07
90	PORT CANAVERAL	0	.00	64.595	.13	64.595	.07
91	LOS ANGELES	4.637	.01	54.864	.11	59.501	.06
92	GREEN BAY	0	.00	54.845	.11	54.845	.06
93	OGDENSBURG	0	.00	54.352	.11	54.352	.06
94	ANACORTES	50.162	.10	0	.00	50.162	.05
95	BANGOR	0	.00	46.919	.10	46.919	.05
96	AVONDALE	46.771	.10	0	.00	46.771	.05
97	RICHMOND-PETERSBURG	0	.00	46.500	.10	46.500	.05
98	SHEBOYGAN	0	.00	43.294	.09	43.294	.04
99	RACINE	0	.00	41.259	.09	41.259	.04
100	BENTON HARBOR	18.556	.04	21.410	.04	39.966	.04
101	NAWILIWILI-PT. ALLEN	276	.00	37.955	.08	38.231	.04
102	BETHEL	5.029	.01	32.260	.07	37.289	.04
103	SAGINAW-BAY CITY	7.830	.02	28.446	.06	36.276	.04
104	PORT HURON	2.857	.01	33.255	.07	36.112	.04
105	ST. PETERSBURG	776	.00	34.972	.07	35.748	.04
106	WAKE ISLAND	2.404	.00	31.714	.07	34.118	.04
107	GUAM ISLAND	31.714	.07	2.404	.00	34.118	.04
108	PENSACOLA	0	.00	32.806	.07	32.806	.03
109	NAKNEK	1.756	.00	30.814	.06	32.570	.03
110	ERIE	0	.00	32.561	.07	32.561	.03
111	NO. OF NOME	5.385	.01	25.808	.05	31.193	.03
112	MASSENA	0	.00	30.366	.06	30.366	.03
113	GUANICA	5.000	.01	23.910	.05	28.910	.03
114	PONCE	21.115	.04	7.365	.02	28.480	.03
115	SAN PABLO BAY	27.012	.06	0	.00	27.012	.03
116	WEST PALM BEACH	0	.00	25.723	.05	25.723	.03
117	ST. ROSE	24.598	.05	0	.00	24.598	.03
118	SAN DIEGO	0	.00	23.385	.05	23.385	.02
119	DILLINGHAM	26	.00	22.149	.05	22.175	.02
120	KODIAK	39	.00	20.935	.04	20.974	.02
121	LORAIN	0	.00	20.314	.04	20.314	.02
122	SEARSPORT	0	.00	20.107	.04	20.107	.02
123	ST. MICHAEL	15.940	.03	2.226	.00	18.166	.02
124	CHESTER	0	.00	17.698	.04	17.698	.02
125	STOCKTON	0	.00	17.248	.04	17.248	.02
126	CHEBOYGAN	0	.00	16.757	.03	16.757	.02
127	KENAI	16.413	.03	0	.00	16.413	.02
128	VANCOUVER	0	.00	14.034	.03	14.034	.01
129	ALPENA	0	.00	13.647	.03	13.647	.01

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	POTOMAC RIV.BELOW WASH. D.C.	6,908	.01	6,363	.01	13,271	.01
131	MARSHALL	153	.00	11,073	.02	11,226	.01
132	HOPEWELL	0	.00	10,978	.02	10,978	.01
133	GLOUCESTER CITY, N.J.	4,798	.01	5,115	.01	9,913	.01
134	NOME	650	.00	8,983	.02	9,633	.01
135	MELLVILLE	5,875	.01	2,042	.00	7,917	.01
136	TRAVERSE CITY	637	.00	7,062	.01	7,699	.01
137	KINNEGNAK	61	.00	6,792	.01	6,853	.01
138	JUNEAU	352	.00	4,934	.01	5,286	.01
139	SAN JOAQUIN RIVER	4,882	.01	0	.00	4,882	.01
140	ST. LAWRENCE ISL.	0	.00	3,702	.01	3,702	.00
141	GRAMERCY	3,145	.01	0	.00	3,145	.00
142	SEWARD	0	.00	2,859	.01	2,859	.00
143	ANCHORAGE	137	.00	2,329	.00	2,466	.00
144	FERRYSBURG	2,125	.00	0	.00	2,125	.00
145	YUKON RIVER	4	.00	1,338	.00	1,342	.00
146	PORT HUENEME	0	.00	1,335	.00	1,335	.00
147	PETERSBURG, ALASKA	389	.00	872	.00	1,261	.00
148	BRUNSWICK	0	.00	1,200	.00	1,200	.00
149	MORGAN CITY	1,200	.00	0	.00	1,200	.00
150	WRANGELL	243	.00	634	.00	877	.00
151	HOOPER BAY	0	.00	411	.00	411	.00
152	GRAND PORTAGE	0	.00	310	.00	310	.00
153	MARQUETTE	310	.00	0	.00	310	.00
	* TOTAL FOR ALL PORTS	48,530,034	50.00	48,530,034	50.00	97,060,068	100.00

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U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	NEW YORK	26.099.374	5.91	37,543.518	8.50	63,642 892	7.21
2	VALDEZ	60.182.358	13.63	219.529	.05	60.401.887	6.84
3	DULUTH	27.569.896	6.25	1.000.928	.23	28.570.824	3.24
4	CHRISTIANSTED	25.507.606	5.78	1.258.739	.29	26.766.345	3.03
5	TAMPA	7.130.400	1.62	19.469.883	4.41	26.600.283	3.01
6	PUERTO ARMUELLES	10.166.960	2.30	11.732.854	2.66	21.899.814	2.48
7	DETROIT	451.754	.10	20.844.788	4.72	21.296.542	2.41
8	SILVER BAY	19.675.266	4.46	606.763	.14	20.282.029	2.30
9	HOUSTON	16.293.805	3.69	3.985.444	.90	20.279.249	2.30
10	SUPERIOR	19.031.885	4.31	1.022.406	.23	20.054.291	2.27
11	TOLEDO	11.448.747	2.59	8.328.910	1.89	19.777.657	2.24
12	ESCANABA	16.550.785	3.75	707.217	.16	17.258.002	1.95
13	BOSTON	2.795.513	.63	14.217.905	3.22	17.013.418	1.93
14	EAST CHICAGO	3.449.216	.78	13.509.015	3.06	16.958.231	1.92
15	LOS ANGELES	5.476.915	1.24	11.149.916	2.53	16.626.831	1.88
16	LONG BEACH	2.258.644	.51	13.550.058	3.07	15.808.702	1.79
17	CLEVELAND	375.736	.09	14.481.461	3.28	14.857.197	1.68
18	CHICAGO	3.384.552	.77	10.192.171	2.31	13.576.723	1.54
19	CARQUINEZ STRAIT	2.978.542	.67	10.250.022	2.32	13.228.564	1.50
20	RICHMOND, CALIF.	4.726.494	1.07	8.472.492	1.92	13.198.986	1.50
21	CORPUS CHRISTI	11.988.860	2.72	822.751	.19	12.811.611	1.45
22	CONNEAUT	2.870.415	.65	9.864.666	2.23	12.735.081	1.44
23	PORT EVERGLADES	934.564	.21	9.708.942	2.20	10.643.506	1.21
24	BELLINGHAM	1.407.520	.32	9.190.615	2.08	10.598.135	1.20
25	ALPENA	9.120.805	2.07	1.395.079	.32	10.515.884	1.19
26	BEAUMONT	8.556.011	1.94	1.842.322	.42	10.398.333	1.18
27	HONOLULU	3.592.604	.81	6.129.205	1.39	9.721.809	1.10
28	BATON ROUGE	5.371.112	1.22	4.129.683	.94	9.500.795	1.08
29	NEW HAVEN	1.118.280	.25	8.318.630	1.88	9.436.910	1.07
30	NEW ORLEANS	7.245.731	1.64	1.885.855	.43	9.131.586	1.03
31	ROGERS CITY	8.488.246	1.92	618.805	.14	9.107.051	1.03
32	EL SEGUNDO	2.167.573	.49	6.804.718	1.54	8.972.291	1.02
33	SAN JUAN	3.131.497	.71	5.823.668	1.32	8.955.165	1.01
34	MARCUS HOOK	3.203.438	.73	5.521.848	1.25	8.725.286	.99
35	PORT ARTHUR	7.322.878	1.66	1.098.000	.25	8.420.878	.95
36	ASHTABULA	1.713.485	.39	6.411.429	1.45	8.124.914	.92
37	GARY	44.027	.01	7.586.001	1.72	7.630 028	.86
38	DESTREHAN	6.709.223	1.52	478.340	.11	7.187.563	.81
39	BUFFALO	264.728	.06	6.736.925	1.53	7.001.653	.79
40	JACKSONVILLE	738.086	.17	6.185.129	1.40	6.923.215	.78
41	TEXAS CITY	6.048.703	1.37	405.203	.09	6.453.906	.73
42	PROVIDENCE	235.602	.05	6.110.539	1.38	6.346.141	.72
43	PHILADELPHIA	4.234.217	.96	2.059.063	.47	6.293.280	.71

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REPORT YEAR 1979
U.S. DOMESTIC OCEAN AND GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	MARQUETTE	3,746,750	.85	2,448,574	.55	6,195,324	.70
45	HUMACAO	4,289,821	.97	1,892,527	.43	6,182,348	.70
46	MUSKEGON	1,508,412	.34	4,670,665	1.06	6,179,077	.70
47	BURNS HARBOR	118,287	.03	6,046,982	1.37	6,165,269	.70
48	PORTLAND, ORE.	830,752	.19	5,268,097	1.19	6,098,849	.69
49	PASCAGOULA	5,256,497	1.19	574,677	.13	5,831,174	.66
50	GRAMERCY	622,186	.14	4,882,593	1.11	5,504,779	.62
51	ANCHORAGE/UNIMAK	5,201,125	1.18	302,187	.07	5,503,312	.62
52	PAULSBORO	3,106,841	.70	2,022,419	.46	5,129,260	.59
53	MORRO	4,207,720	.95	777,680	.18	4,985,400	.56
54	BALTIMORE	839,258	.19	4,093,979	.93	4,933,237	.56
55	WILMINGTON, DEL.	3,824,745	.87	1,036,257	.23	4,861,002	.55
56	LAKE CHARLES	3,938,219	.89	648,301	.15	4,586,520	.52
57	PORTLAND, ME.	487,337	.11	4,085,404	.93	4,572,741	.52
58	LORAIN	0	.00	4,448,108	1.01	4,448,108	.50
59	SAGINAW-BAY CITY	1,466,858	.33	2,940,215	.67	4,407,073	.50
60	SANDUSKY	3,908,628	.89	196,146	.04	4,104,774	.46
61	CHARLESTON	296,121	.07	3,776,479	.86	4,072,600	.46
62	PORT HURON	2,857	.00	3,992,148	.90	3,995,005	.45
63	SAULT STE. MARIE	3,769,925	.85	158,562	.04	3,928,487	.44
64	SAN FRANCISCO	401,131	.09	3,524,236	.80	3,925,367	.44
65	WILMINGTON, N.C.	262,448	.06	3,637,419	.82	3,899,867	.44
66	BRIDGEPORT	219,102	.05	3,652,861	.83	3,871,963	.44
67	SEATTLE	1,633,630	.37	2,204,761	.50	3,838,391	.43
68	GUAYANILLA	2,659,445	.60	1,154,924	.26	3,814,369	.43
69	SAN PABLO BAY	1,693,061	.38	1,712,235	.39	3,405,296	.39
70	MILWAUKEE	124,590	.03	3,226,321	.73	3,350,911	.38
71	HURON	0	.00	3,277,916	.74	3,277,916	.37
72	ALBANY	1,138,235	.26	2,098,635	.48	3,236,870	.37
73	FALL RIVER	116,312	.03	3,014,257	.68	3,130,569	.35
74	NEW LONDON	826,855	.19	2,182,347	.49	3,009,202	.34
75	SAN DIEGO	65,929	.01	2,617,670	.59	2,683,599	.30
76	GREEN BAY	0	.00	2,644,400	.60	2,644,400	.30
77	MANITOWOC	1,489,210	.34	1,047,258	.24	2,536,468	.29
78	SAVANNAH	336,652	.08	2,178,533	.49	2,515,185	.28
79	NORFOLK	85,220	.02	2,172,722	.49	2,257,942	.26
80	FREEPORT	1,150,381	.26	953,743	.22	2,104,124	.24
81	CAMDEN	251,802	.06	1,800,378	.41	2,052,180	.23
82	ANACORTES	1,272,554	.29	559,450	.13	1,832,004	.21
83	KAHULUI	815,817	.18	989,596	.22	1,805,413	.20
84	TRAVERSE CITY	1,046,662	.24	696,832	.16	1,743,494	.20
85	FAIRPORT	239,512	.05	1,489,652	.34	1,729,164	.20
86	PORTSMOUTH, N. H.	278,369	.06	1,374,863	.31	1,653,232	.19

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REPORT YEAR 1979
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PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	OAKLAND + ALAMEDA	1.116.958	.25	490.107	.11	1.607.065	.18
88	NEWPORT NEWS	702.170	.16	889.528	.20	1.591.698	.18
89	GALVESTON	1.447.466	.33	97.845	.02	1.545 311	.18
90	HILO	672.500	.15	868.904	.20	1.541.404	.17
91	VENTURA	1.198.840	.27	290.997	.07	1.489.837	.17
92	MAYAGUEZ	19.113	.00	1.466.021	.33	1.485.134	.17
93	DE TOUR VILLAGE	1.443.599	.33	2.249	.00	1.445.848	.16
94	HARTFORD	1.701	.00	1.412.541	.32	1.414.242	.16
95	MOBILE	969.250	.22	366.881	.08	1.336 131	.15
96	ANCHORAGE	129.656	.03	1.198.561	.27	1.328.217	.15
97	COOS BAY	678.206	.15	613.387	.14	1.291.593	.15
98	MIAMI	430.712	.10	840.365	.19	1.271.077	.14
99	TACOMA	677.081	.15	578.085	.13	1.255.166	.14
100	PORT HUENEME	8.338	.00	1.137.556	.26	1.145.894	.13
101	KENAI	1.024.015	.23	93.197	.02	1.117.212	.13
102	MONTEREY	0	.00	1.055.555	.24	1.055.555	.12
103	KODIAK	406.759	.09	509.338	.12	916.097	.10
104	FERRYSBURG	201.090	.05	688.755	.16	889.845	.10
105	PORT SAN LUIS	438.634	.10	448.601	.10	887.235	.10
106	NAWILIWILI-PT. ALLEN	408.688	.09	423.768	.10	832.456	.09
107	SUISUN BAY	500.403	.11	328.649	.07	829.052	.09
108	SALEM	0	.00	811.798	.18	811.798	.09
109	LONGVIEW	179.987	.04	599.002	.14	778.989	.09
110	BEAUFORT-MOREHEAD CITY	28.310	.01	737.599	.17	765.909	.09
111	BOCAGRANDE	81.661	.02	448.596	.10	530.257	.06
112	BELFAST	0	.00	519.276	.12	519.276	.06
113	KETCHIKAN	108.050	.02	396.508	.09	504.558	.06
114	BANGOR	1.905	.00	496.604	.11	498.509	.06
115	ALEUTIAN ISLANDS	172.517	.04	319.013	.07	491.530	.06
116	ST. PETERSBURG	18.977	.00	468.289	.11	487.266	.06
117	PORT CANAVERAL	0	.00	477.834	.11	477.834	.05
118	ST. ROSE	410.109	.09	50.798	.01	460.907	.05
119	POTOMAC RIV.BELOW WASH. D.C.	41.466	.01	396.832	.09	438.298	.05
120	BENTON HARBOR	18.556	.00	413.326	.09	431.882	.05
121	EUREKA	1.800	.00	420.184	.10	421.984	.05
122	HOLLAND	0	.00	417.120	.09	417.120	.05
123	SABINE	407.583	.09	0	.00	407.583	.05
124	ERIE	0	.00	402.921	.09	402.921	.05
125	PLYMOUTH	100.594	.02	286.648	.06	387.242	.04
126	GEORGETOWN	650	.00	357.618	.08	358.268	.04
127	NEWPORT, ORE.	93.324	.02	261.663	.06	354.987	.04
128	CHARLETTE AMALIE	47.628	.01	301.804	.07	349.432	.04
129	PENSACOLA	301.098	.07	37.834	.01	338.932	.04

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RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	ASHLAND	7.823	.00	327.118	.07	334.941	.04
131	PORT ANGELES	34.861	.01	273.015	.06	307.876	.03
132	SACRAMENTO	0	.00	276.779	.06	276.779	.03
133	SHEBOYGAN	41.950	.01	219.513	.05	261.463	.03
134	WEST PALM BEACH	193.682	.04	61.516	.01	255.198	.03
135	STOCKTON	0	.00	247.242	.06	247.242	.03
136	WHITTIER	30.980	.01	190.316	.04	221.296	.03
137	SITKA	41.369	.01	172.520	.04	[illegible].889	.02
138	ABERDEEN-HOQUIAM	73.074	.02	123.665	.03	196.739	.02
139	NEW BEDFORD	40.652	.01	153.039	.03	193.691	.02
140	GUAM ISLAND	48.826	.01	141.204	.03	190.030	.02
141	GLOUCESTER CITY, N.J.	4.798	.00	183.931	.04	188.729	.02
142	KEY WEST	300	.00	169.728	.04	170.028	.02
143	GUANICA	37.707	.01	124.745	.03	162.452	.02
144	CHEBOYGAN	0	.00	162.312	.04	162.312	.02
145	SEARSPORT	2.618	.00	147.477	.03	150.095	.02
146	MACKINAC ISLAND	15.915	.00	116.326	.03	132.241	.01
147	OGDENSBURG	20.909	.00	109.065	.02	129.974	.01
148	FAJARDO	37.786	.01	88.170	.02	125.956	.01
149	NO. OF NOME	21.262	.00	99.407	.02	120.669	.01
150	CARRABELLE	79.298	.02	35.540	.01	114.838	.01
151	JUNEAU	7.706	.00	105.088	.02	112.794	.01
152	HOPEWELL	73.403	.02	38.482	.01	111.885	.01
153	REDWOOD CITY	62.065	.01	48.365	.01	110.430	.01
154	VANCOUVER	2.820	.00	104.019	.02	106.839	.01
155	PORT ST. JOE	35.540	.01	69.611	.02	105.151	.01
156	AVONDALE	99.862	.02	0	.00	99.862	.01
157	PONCE	44.968	.01	49.040	.01	94.008	.01
158	MELLVILLE	25.611	.01	57.454	.01	83.065	.01
159	SAN JOAQUIN RIVER	33.260	.01	45.584	.01	78.844	.01
160	MARINETTE	0	.00	77.592	.02	77.592	.01
161	PORT LAVACA	0	.00	75.444	.02	75.444	.01
162	RICHMOND-PETERSBURG	0	.00	71.118	.02	71.118	.01
163	MORGAN CITY	60.812	.01	0	.00	60.812	.01
164	GRAND HAVEN	0	.00	60.675	.01	60.675	.01
165	WAKE ISLAND	5.119	.00	52.628	.01	57.747	.01
166	BETHEL	10.287	.00	46.914	.01	57.201	.01
167	BRUNSWICK	0	.00	56.793	.01	56.793	.01
168	NAKNEK	12.327	.00	43.212	.01	55.539	.01
169	OSWEGO	10.050	.00	42.829	.01	52.879	.01
170	DILLINGHAM	12.372	.00	35.462	.01	47.834	.01
171	RACINE	0	.00	41.259	.01	41.259	.00
172	KINNEGNAK	7.659	.00	25.836	.01	33.495	.00

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RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
173	MASSENA	0	.00	32.070	.01	32.070	.00
174	NEWPORT	0	.00	30.926	.01	30.926	.00
175	ST. MICHAEL	15.940	.00	13.035	.00	28.975	.00
176	KALAMA	0	.00	28.764	.01	28.764	.00
177	PORT TOWNSEND	0	.00	26.716	.01	26.716	.00
178	PETERSBURG. ALASKA	14.058	.00	11.643	.00	25.701	.00
179	KING COVE	12.608	.00	9.826	.00	22.434	.00
180	NOME	891	.00	18.523	.00	19.414	.00
181	CHESTER	0	.00	17.698	.00	17.698	.00
182	SEWARD	1.003	.00	15.349	.00	16.352	.00
183	WRANGELL	5.501	.00	9.168	.00	14.669	.00
184	MARSHALL	153	.00	11.375	.00	11.528	.00
185	BROWNSVILLE + PT. ISABEL	9.315	.00	0	.00	9.315	.00
186	ASTORIA	8.284	.00	23	.00	8.307	.00
187	STURGEON BAY	3.942	.00	3.942	.00	7.884	.00
188	CAPE CHARLES	7.593	.00	0	.00	7.593	.00
189	ROCKLAND	820	.00	6.006	.00	6.826	.00
190	EVERETT	500	.00	6.168	.00	6.668	.00
191	PELICAN	3.397	.00	3.174	.00	6.571	.00
192	ST. LAWRENCE ISL.	0	.00	6.048	.00	6.048	.00
193	VICKSBURG	5.722	.00	0	.00	5.722	.00
194	YUKON RIVER	1.269	.00	4.129	.00	5.398	.00
195	LITTLE ROCK	0	.00	5.235	.00	5.235	.00
196	EVANSVILLE	765	.00	4.067	.00	4.832	.00
197	EASTPORT	288	.00	3.858	.00	4.146	.00
198	BAR HARBOR	3.998	.00	0	.00	3.998	.00
199	JONESPORT	0	.00	3.538	.00	3.538	.00
200	SKAGWAY	144	.00	3.383	.00	3.527	.00
201	PITTSBURG. PA.	3.524	.00	0	.00	3.524	.00
202	SOUTH BEND-RAYMOND	3.491	.00	0	.00	3.491	.00
203	MUSKOGEE	1.360	.00	1.280	.00	2.640	.00
204	EGEGIK	1.845	.00	561	.00	2.406	.00
205	ST. LOUIS	960	.00	1.374	.00	2.334	.00
206	BATH	62	.00	2.197	.00	2.259	.00
207	FREDERIKSTED	0	.00	1.630	.00	1.630	.00
208	HOOPER BAY	0	.00	1.522	.00	1.522	.00
209	JEFFERSON CITY	0	.00	1.460	.00	1.460	.00
210	MIDWAY ISLAND	192	.00	1.200	.00	1.392	.00
211	PEORIA	1.354	.00	0	.00	1.354	.00
212	OLD HARBOR	150	.00	1.197	.00	1.347	.00
213	CINCINNATI	0	.00	1.298	.00	1.298	.00
214	OLYMPIA	0	.00	1.271	.00	1.271	.00
215	PANAMA CITY	0	.00	1.187	.00	1.187	.00

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
216	GREENVILLE	1,182	.00	0	.00	1,182	.00
217	GRAND PORTAGE	74	.00	624	.00	698	.00
218	FORT PIERCE	0	.00	695	.00	695	.00
219	CROCKETT	0	.00	297	.00	297	.00
220	KANSAS CITY	200	.00	0	.00	200	.00
221	GLOUCESTER, MASS.	80	.00	20	.00	100	.00
222	CHATTANOOGA	75	.00	0	.00	75	.00
223	MCGRATH POINT	0	.00	3	.00	3	.00
	* TOTAL FOR ALL PORTS	441,429,114	50.00	441,429,114	50.00	882,858,228	100.00

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U.S DOMESTIC OCEAN WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED DRY CARGO VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	SAN JUAN	861.800	7.67	2.678.902	23.84	3.540.702	15.76
2	HONOLULU	1.163.194	10.35	2.057.008	18.31	3.220.202	14.33
3	NEW YORK	1.740.055	15.49	1.183.855	10.54	2.923.910	13.01
4	OAKLAND + ALAMEDA	1.116.958	9.94	470.692	4.19	1.587.650	7.07
5	LOS ANGELES	668.936	5.95	283.892	2.53	952.828	4.24
6	ANCHORAGE	121.286	1.08	793.618	7.06	914.904	4.07
7	SEATTLE	572.801	5.10	281.311	2.50	854.112	3.80
8	CAROUINEZ STRAIT	0	.00	840.236	7.55	848 236	3.77
9	BALTIMORE	573.312	5.10	264.550	2.35	837.862	3.73
10	KODIAK	406.417	3.62	397.566	3.54	803.983	3.58
11	HILO	388.957	3.46	198.492	1.77	587.449	2.61
12	KAHULUI	367.258	3.27	183.750	1.64	551.008	2.45
13	TACOMA	467.001	4.16	78.551	.70	545.552	2.43
14	NEW ORLEANS	367.305	3.27	59.200	.53	426.505	1.90
15	JACKSONVILLE	337.998	3.01	59.538	.53	397.536	1.77
16	CHARLESTON	285.165	2.54	97.321	.87	382.486	1.70
17	NAWILIWILI-PT. ALLEN	263.756	2.35	57.996	.52	321.752	1.43
18	VALDEZ	276.739	2.46	12.412	.11	289.151	1.29
19	CORPUS CHRISTI	257.367	2.29	0	.00	257.367	1.15
20	LONGVIEW	0	.00	252.038	2.24	252.038	1.12
21	HOUSTON	165.427	1.47	58.576	.52	224.003	1.00
22	GUAYANILLA	148.760	1.32	29.125	.26	177.885	.79
23	GUAM ISLAND	11.745	.10	136.952	1.22	148.697	.66
24	PORTLAND, ORE.	104.971	.93	41.826	.37	146.797	.65
25	LONG BEACH	62.429	.56	81.473	.73	143.902	.64
26	BELLINGHAM	0	.00	130.573	1.16	130.573	.58
27	BOSTON	46.443	.41	81.527	.73	127.970	.57
28	CHRISTIANSTED	52.494	.47	36.624	.33	89.118	.40
29	PHILADELPHIA	17.044	.15	58.846	.52	75.890	.34
30	MIAMI	59.889	.53	14.155	.13	74.044	.33
31	FAJARDO	37.786	.34	32.465	.29	70.251	.31
32	ANCHORAGE/UNIMAK	26.959	.24	39.160	.35	66.119	.29
33	CHARLOTTE AMALIE	12.183	.11	48.738	.43	60.921	.27
34	SAVANNAH	47.762	.43	6.078	.05	53.840	.24
35	PORT ARTHUR	44.352	.39	0	.00	44.352	.20
36	PONCE	23.844	.21	16.034	.14	39.878	.18
37	TEXAS CITY	24.948	.22	9.626	.09	34.574	.15
38	ALEUTIAN ISLANDS	18.912	.17	14.428	.13	33.340	.15
39	STOCKTON	0	.00	24.582	.22	24.582	.11
40	WILMINGTON, N.C.	0	.00	23.323	.21	23.323	.10
41	NEW HAVEN	0	.00	22.483	.20	22.483	.10
42	NORFOLK	15.706	.14	5.210	.05	20.916	.09
43	DILLINGHAM	9.007	.08	6.422	.06	15.429	.07

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	MELLVILLE	5,883	.05	7,166	.06	13,049	.06
45	KING COVE	8,754	.08	3,850	.03	12,604	.06
46	MAYAGUEZ	11,619	.10	0	.00	11,619	.05
47	LAKE CHARLES	5,883	.05	4,657	.04	10,540	.05
48	KINNEGNAK	3,773	.03	6,347	.06	10,120	.05
49	SAN DIEGO	8,402	.07	0	.00	8,402	.04
50	VENTURA	0	.00	8,338	.07	8,338	.04
51	PORT HUENEME	8,338	.07	0	.00	8,338	.04
52	NO. OF NOME	54	.00	8,095	.07	8,149	.04
53	ROCKLAND	820	.01	6,006	.05	6,826	.03
54	BAR HARBOR	3,998	.04	0	.00	3,998	.02
55	KETCHIKAN	1,910	.02	1,650	.01	3,560	.02
56	PORTLAND, ME.	1,554	.01	1,566	.01	3,120	.01
57	NEW LONDON	1,372	.01	1,209	.01	2,581	.01
58	BANGOR	1,657	.01	601	.01	2,258	.01
59	ST. LAWRENCE ISL.	0	.00	1,980	.02	1,980	.01
60	NEW BEDFORD	903	.01	903	.01	1,806	.01
61	FREDERIKSTED	0	.00	1,630	.01	1,630	.01
62	HOOPER BAY	0	.00	1,111	.01	1,111	.00
63	NAKNEK	476	.00	611	.01	1,087	.00
64	KENAI	400	.00	435	.00	835	.00
65	SEWARD	550	.00	230	.00	780	.00
66	EASTPORT	288	.00	261	.00	549	.00
67	PELICAN	415	.00	83	.00	498	.00
68	YUKON RIVER	388	.00	35	.00	423	.00
69	ST. MICHAEL	0	.00	415	.00	415	.00
70	OLD HARBOR	0	.00	398	.00	398	.00
71	NOME	192	.00	121	.00	313	.00
72	BETHEL	150	.00	0	.00	150	.00
73	GLOUCESTER, MASS.	80	.00	20	.00	100	.00
74	BATH	62	.00	0	.00	62	.00
75	BRUNSWICK	0	.00	50	.00	50	.00
76	MORGAN CITY	50	.00	0	.00	50	.00
77	ASTORIA	0	.00	23	.00	23	.00
78	PLYMOUTH	9	.00	9	.00	18	.00
79	EGEGIK	10	.00	0	.00	10	.00
80	SALEM	0	.00	5	.00	5	.00
81	BRIDGEPORT	5	.00	0	.00	5	.00
82	ABERDEEN-HOQUIAM	0	.00	1	.00	1	.00
83	WRANGELL	0	.00	1	.00	1	.00
	* TOTAL FOR ALL PORTS	11,234,961	50.00	11,234,961	50.00	22,469,922	100.00

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REPORT YEAR 1979
U.S DOMESTIC OCEAN WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED TANKER VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	VALDEZ	59.867.972	27.37	24.940	.01	59.892.912	13.69
2	NEW YORK	7.171.602	3.28	26.557.200	12.14	33.728.802	7.71
3	CHRISTIANSTED	24.956.749	11.41	990.480	.45	25.947.229	5.93
4	PUERTO ARMUELLES	10.166.960	4.65	11.732.854	5.36	21.899.814	5.01
5	HOUSTON	15.001.120	6.86	2.890.416	1.32	17.891.536	4.09
6	LOS ANGELES	4.790.799	2.19	10.598.530	4.85	15.389.329	3.52
7	LONG BEACH	2.109.091	.96	13.102.241	5.99	15.211.332	3.48
8	RICHMOND, CALIF.	4.640.717	2.12	8.467.415	3.87	13.108.132	3.00
9	BOSTON	826.750	.38	11.849.282	5.42	12.676.032	2.90
10	CARQUINEZ STRAIT	2.923.246	1.34	9.233.280	4.22	12.156.526	2.78
11	CORPUS CHRISTI	10.590.104	4.84	804.910	.37	11.395.014	2.60
12	TAMPA	46.621	.02	11.026.182	5.04	11.072.803	2.53
13	BELLINGHAM	1.161.227	.53	9.053.064	4.14	10.214.291	2.33
14	BEAUMONT	7.410.605	3.39	1.776.454	.81	9.187.059	2.10
15	BATON ROUGE	4.938.571	2.26	4.039.517	1.85	8.978 088	2.05
16	EL SEGUNDO	2.167.573	.99	6.804.718	3.11	8.972.291	2.05
17	PORT ARTHUR	7.124.720	3.26	1.072.993	.49	8.197.713	1.87
18	MARCUS HOOK	1.670.383	.76	5.417.558	2.48	7.087.941	1.62
19	PORT EVERGLADES	687.552	.31	5.902.236	2.70	6.589 788	1.51
20	ANCHORAGE/UNIMAK	4.966.068	2.27	248.045	.11	5.214.113	1.19
21	PORTLAND, ORE.	259.800	.12	4.933.172	2.26	5.192.972	1.19
22	PHILADELPHIA	3.164.437	1.45	1.882.813	.86	5.047.250	1.15
23	TEXAS CITY	4.661.213	2.13	351.458	.16	5.012.671	1.15
24	MORRO	4.207.720	1.92	777.680	.36	4.985.400	1.14
25	DESTREHAN	4.538.443	2.07	365.438	.17	4.903.881	1.12
26	JACKSONVILLE	18.061	.01	4.660.065	2.13	4.678.126	1.07
27	NEW HAVEN	139.094	.06	4.167.626	1.91	4.306.720	.98
28	NEW ORLEANS	3.554.549	1.63	499.997	.23	4.054.546	.93
29	HONOLULU	848.462	.39	3.168.968	1.45	4.017.430	.92
30	PROVIDENCE	70.319	.03	3.905.661	1.79	3.975.980	.91
31	SAN FRANCISCO	401.131	.18	3.524.236	1.61	3.925.367	.90
32	PAULSBORO	1.690.935	.77	1.820.887	.83	3.511.822	.80
33	HUMACAO	1.528.148	.70	1.892.527	.87	3.420.675	.78
34	SAN PABLO BAY	1.666.049	.76	1.712.235	.78	3.378.284	.77
35	WILMINGTON, DEL.	2.243.436	1.03	978.413	.45	3.221.849	.74
36	WILMINGTON, N.C.	216.979	.10	2.905.219	1.33	3.122.198	.71
37	BALTIMORE	35.854	.02	3.058.184	1.40	3.094.038	.71
38	GUAYANILLA	2.010.375	.92	755.701	.35	2.766.076	.63
39	PORTLAND, ME.	442.787	.20	2.304.738	1.05	2.747.525	.63
40	CHARLESTON	0	.00	2.740.758	1.25	2.740.758	.63
41	LAKE CHARLES	1.963.614	.90	564.660	.26	2.528.274	.58
42	SAN DIEGO	57.527	.03	2.319.416	1.06	2.376.943	.54
43	PASCAGOULA	1.658.036	.76	422.176	.19	2.080.212	.48

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REPORT YEAR 1979
U.S DOMESTIC OCEAN WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED TANKER VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	CAMDEN	218.504	.10	1.761.452	.81	1.979.956	.45
45	FREEPORT	1.009.833	.46	953.743	.44	1.963.576	.45
46	NEW LONDON	83.912	.04	1.803.057	.82	1.886.959	.43
47	NORFOLK	17.818	.01	1.793.693	.82	1.811.511	.41
48	ANACORTES	1.209.045	.55	559.450	.26	1.768.495	.40
49	SEATTLE	46.024	.02	1.685.739	.77	1.731.763	.40
50	FALL RIVER	46.850	.02	1.496.951	.68	1.543.801	.35
51	SAVANNAH	51.924	.02	1.488.659	.68	1.540.583	.35
52	ALBANY	58.361	.03	1.443.830	.66	1.502.191	.34
53	GALVESTON	1.315.104	.60	97.845	.04	1.412.949	.32
54	VENTURA	1.086.736	.50	282.659	.13	1.369.395	.31
55	PORTSMOUTH. N. H.	150.759	.07	1.161.207	.53	1.311.966	.30
56	PORT HUENEME	0	.00	1.109.216	.51	1.109.216	.25
57	MONTEREY	0	.00	1.055.555	.48	1.055.555	.24
58	SAN JUAN	793.029	.36	255.609	.12	1.048.638	.24
59	PORT SAN LUIS	438.634	.20	448.601	.21	887.235	.20
60	BRIDGEPORT	57.732	.03	804.767	.37	862.499	.20
61	KENAI	753.175	.34	92.762	.04	845.937	.19
62	MOBILE	529.175	.24	283.783	.13	812.958	.19
63	NEWPORT NEWS	0	.00	745.070	.34	745.070	.17
64	GRAMERCY	596.434	.27	113.084	.05	709.518	.16
65	BEAUFORT-MOREHEAD CITY	5.928	.00	690.969	.32	696.897	.16
66	SUISUN BAY	305.562	.14	328.649	.15	634.211	.14
67	TACOMA	33.858	.02	471.816	.22	505.674	.12
68	SALEM	0	.00	491.075	.22	491.075	.11
69	BANGOR	0	.00	448.836	.21	448.836	.10
70	POTOMAC RIV.BELOW WASH. D.C.	34.558	.02	390.469	.18	425.027	.10
71	ST. ROSE	373.117	.17	50.798	.02	423.915	.10
72	SABINE	407.583	.19	0	.00	407.583	.09
73	PORT CANAVERAL	0	.00	396.539	.18	396.539	.09
74	MIAMI	0	.00	382.558	.17	382.558	.09
75	GEORGETOWN	0	.00	353.487	.16	353.487	.08
76	ANCHORAGE	5.406	.00	310.052	.14	315.458	.07
77	PENSACOLA	299.867	.14	0	.00	299.867	.07
78	PORT ANGELES	21.396	.01	273.015	.12	294.411	.07
79	LONGVIEW	3.289	.00	246.507	.11	249.796	.06
80	HARTFORD	1.701	.00	242.736	.11	244.437	.06
81	SACRAMENTO	0	.00	240.175	.11	240.175	.05
82	ALEUTIAN ISLANDS	8.680	.00	212.947	.10	221.627	.05
83	ST. PETERSBURG	0	.00	214.596	.10	214.596	.05
84	COOS BAY	0	.00	185.303	.08	185.303	.04
85	GLOUCESTER CITY. N.J.	0	.00	178.816	.08	178.816	.04
86	BOCAGRANDE	0	.00	176.985	.08	176.985	.04

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	STOCKTON	0	.00	146.824	.07	146.824	.03
88	EUREKA	0	.00	142.577	.07	142.577	.03
89	PLYMOUTH	0	.00	141.054	.06	141.054	.03
90	SEARSPORT	2.618	.00	127.370	.06	129.988	.03
91	BELFAST	0	.00	98.182	.04	98.182	.02
92	HILO	0	.00	88.830	.04	88.830	.02
93	VANCOUVER	0	.00	80.828	.04	80.828	.02
94	SAN JOAQUIN RIVER	28.378	.01	45.584	.02	73.962	.02
95	KAHULUI	0	.00	64.835	.03	64.835	.01
96	KODIAK	23	.00	63.603	.03	63.626	.01
97	MELLVILLE	13.853	.01	48.246	.02	62.099	.01
98	DETROIT	0	.00	60.658	.03	60.658	.01
99	ABERDEEN-HOQUIAM	13.109	.01	45.984	.02	59.093	.01
100	NEW BEDFORD	3.017	.00	53.842	.02	56.859	.01
101	FAJARDO	0	.00	55.705	.03	55.705	.01
102	BRUNSWICK	0	.00	55.543	.03	55.543	.01
103	AVONDALE	53.069	.02	0	.00	53.069	.01
104	REDWOOD CITY	90	.00	48.365	.02	48.455	.01
105	KETCHIKAN	1.075	.00	41.544	.02	42.619	.01
106	PORT ST. JOE	0	.00	40.256	.02	40.256	.01
107	JUNEAU	0	.00	37.179	.02	37.179	.01
108	NEWPORT	0	.00	30.926	.01	30.926	.01
109	KALAMA	0	.00	28.764	.01	28.764	.01
110	HOPEWELL	0	.00	27.504	.01	27.504	.01
111	PORT TOWNSEND	0	.00	26.716	.01	26.716	.01
112	TOLEDO	25.562	.01	0	.00	25.562	.01
113	RICHMOND-PETERSBURG	0	.00	24.618	.01	24.618	.01
114	OAKLAND + ALAMEDA	0	.00	19.415	.01	19.415	.00
115	KEY WEST	0	.00	14.319	.01	14.319	.00
116	SEWARD	401	.00	11.916	.01	12.317	.00
117	BROWNSVILLE + PT. ISABEL	9.315	.00	0	.00	9.315	.00
118	WEST PALM BEACH	6.507	.00	60	.00	6.567	.00
119	KING COVE	81	.00	5.277	.00	5.358	.00
120	VICKSBURG	4.512	.00	0	.00	4.512	.00
121	WAKE ISLAND	0	.00	4.079	.00	4.079	.00
122	EASTPORT	0	.00	3.597	.00	3.597	.00
123	JONESPORT	0	.00	3.538	.00	3.538	.00
124	SKAGWAY	0	.00	3.383	.00	3.383	.00
125	CHARLOTTE AMALIE	2.912	.00	0	.00	2.912	.00
126	PONCE	0	.00	2.240	.00	2.240	.00
127	BATH	0	.00	2.197	.00	2.197	.00
128	OLD HARBOR	150	.00	799	.00	949	.00
129	NO. OF NOME	696	.00	232	.00	928	.00

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	KINNEGNAK	85	.00	440	.00	525	.00
131	ST. LAWRENCE ISL.	0	.00	343	.00	343	.00
132	PELICAN	0	.00	303	.00	303	.00
133	BETHEL	232	.00	0	.00	232	.00
	* TOTAL FOR ALL PORTS	218.725.078	50.00	218.725.078	50.00	437.450.156	100.00

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REPORT YEAR 1979
U.S DOMESTIC OCEAN WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED DRY CARGO BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	TAMPA	7.002.420	31.57	2.897.379	13.06	9.899.799	22.32
2	NEW YORK	2.744.436	12.37	2.462.834	11.10	5.207.270	11.74
3	GRAMERCY	22.607	.10	4.769.509	21.50	4.792.116	10.80
4	NEW ORLEANS	2.874.436	12.96	1.254.822	5.66	4.129.258	9.31
5	HONOLULU	1.362.810	6.14	894.603	4.03	2.257.413	5.09
6	SAN JUAN	313.387	1.41	1.269.792	5.73	1.583.179	3.57
7	KAHULUI	435.131	1.96	627.231	2.83	1.062.362	2.40
8	HOUSTON	208.766	.94	821.359	3.70	1.030.125	2.32
9	ALBANY	991.595	4.47	0	.00	991.595	2.24
10	COOS BAY	630.225	2.84	351.261	1.58	981.486	2.21
11	SEATTLE	739.217	3.33	178.890	.81	918.107	2.07
12	HILO	281.475	1.27	508.033	2.29	789.508	1.78
13	BRIDGEPORT	64.540	.29	666.489	3.01	731.029	1.65
14	PORTLAND, ORE.	449.279	2.03	217.737	.98	667.016	1.50
15	JACKSONVILLE	378.197	1.71	253.260	1.14	631.457	1.42
16	NEW HAVEN	412.819	1.86	81.851	.37	494.670	1.12
17	NAWILIWILI-PT. ALLEN	144.656	.65	327.817	1.48	472.473	1.07
18	DESTREHAN	314.163	1.42	104.983	.47	419.146	.94
19	BALTIMORE	65.060	.29	312.938	1.41	377.998	.85
20	NEWPORT, ORE.	93.324	.42	261.663	1.18	354.987	.80
21	LONG BEACH	64.724	.29	289.713	1.31	354.437	.80
22	LAKE CHARLES	279.584	1.26	35.226	.16	314.810	.71
23	SAN DIEGO	0	.00	274.869	1.24	274.869	.62
24	KENAI	254.027	1.15	0	.00	254.027	.57
25	KETCHIKAN	97.977	.44	151.583	.68	249.560	.56
26	BOSTON	15	.00	246.365	1.11	246.380	.56
27	NORFOLK	42.224	.19	198.150	.89	240.374	.54
28	ST. PETERSBURG	18.201	.08	218.721	.99	236.922	.53
29	LOS ANGELES	12.543	.06	212.630	.96	225.173	.51
30	WEST PALM BEACH	187.175	.84	35.733	.16	222.908	.50
31	WHITTIER	30.980	.14	190.316	.86	221.296	.50
32	LONGVIEW	172.663	.78	13.547	.06	186.210	.42
33	PROVIDENCE	9.000	.04	175.644	.79	184.644	.42
34	MOBILE	155.405	.70	778	.00	156 183	.35
35	CAROUINEZ STRAIT	15.659	.07	134.514	.61	150.173	.34
36	CHRISTIANSTED	14.347	.06	133.761	.60	148.108	.33
37	ABERDEEN-HOQUIAM	59.965	.27	77.680	.35	137.645	.31
38	BELLINGHAM	127.449	.57	6.978	.03	134.427	.30
39	GUANICA	32.707	.15	100.835	.45	133.542	.30
40	MAYAGUEZ	7.494	.03	124.485	.56	131.979	.30
41	TACOMA	111.118	.50	20.385	.09	131.503	.30
42	SAVANNAH	17.625	.08	110.776	.50	128.401	.29
43	CHARLETTE AMALIE	14.589	.07	92.998	.42	107.587	.24

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	CHICAGO	35.936	.16	71.313	.32	107.249	.24
45	BATON ROUGE	58.850	.27	46.434	.21	105.284	.24
46	BOCAGRANDE	80.354	.36	18.723	.08	99.077	.22
47	PASCAGOULA	40.982	.18	54.579	.25	95.561	.22
48	ANCHORAGE	2.827	.01	92.562	.42	95.389	.22
49	NO. OF NOME	15.127	.07	65.272	.29	80.399	.18
50	HOPEWELL	73.403	.33	0	.00	73.403	.17
51	JUNEAU	7.354	.03	62.975	.28	70.329	.16
52	SITKA	14.864	.07	49.751	.22	64.615	.15
53	REDWOOD CITY	61.975	.28	0	.00	61.975	.14
54	ALEUTIAN ISLANDS	36.580	.16	25.082	.11	61.662	.14
55	MORGAN CITY	59.562	.27	0	.00	59.562	.13
56	STOCKTON	0	.00	58.588	.26	58.588	.13
57	PORT ARTHUR	33.296	.15	25.007	.11	58.303	.13
58	HUMACAO	57.767	.26	0	.00	57.767	.13
59	MIAMI	50.825	.23	5.036	.02	55.861	.13
60	NEW BEDFORD	26.487	.12	25.586	.12	52.073	.12
61	EUREKA	1.800	.01	44.758	.20	46.558	.10
62	CORPUS CHRISTI	21.607	.10	17.841	.08	39.448	.09
63	ANCHORAGE/UNIMAK	26.466	.12	10.455	.05	36.921	.08
64	WILMINGTON, DEL.	5.450	.02	31.208	.14	36.658	.08
65	SACRAMENTO	0	.00	36.604	.17	36.604	.08
66	KODIAK	280	.00	27.234	.12	27.514	.06
67	PORT HUENEME	0	.00	27.005	.12	27.005	.06
68	PETERSBURG, ALASKA	13.669	.06	10.771	.05	24.440	.06
69	CHARLESTON	10.956	.05	12.487	.06	23.443	.05
70	PONCE	9	.00	23.401	.11	23.410	.05
71	NAKNEK	10.095	.05	11.787	.05	21.882	.05
72	PORT EVERGLADES	17.921	.08	3.280	.01	21.201	.05
73	WAKE ISLAND	2.715	.01	16.835	.08	19.550	.04
74	BETHEL	4.876	.02	14.654	.07	19.530	.04
75	WILMINGTON, N.C.	0	.00	19.115	.09	19.115	.04
76	FALL RIVER	13.661	.06	4.500	.02	18.161	.04
77	PORT CANAVERAL	0	.00	16.700	.08	16.700	.04
78	KINNEGNAK	3.740	.02	12.257	.06	15.997	.04
79	PAULSBORO	0	.00	15.352	.07	15.352	.03
80	FREEPORT	15.299	.07	0	.00	15.299	.03
81	WRANGELL	5.258	.02	8.533	.04	13.791	.03
82	PORT ANGELES	13.465	.06	0	.00	13.465	.03
83	ANACORTES	13.347	.06	0	.00	13.347	.03
84	ST. ROSE	12.394	.06	0	.00	12.394	.03
85	VANCOUVER	2.820	.01	9.157	.04	11.977	.03
86	ST. MICHAEL	0	.00	10.394	.05	10.394	.02

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REPORT YEAR 1979
U.S DOMESTIC OCEAN WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED DRY CARGO BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	DILLINGHAM	3,339	.02	6,891	.03	10,230	.02
88	NOME	49	.00	9,419	.04	9,468	.02
89	BEAUMONT	8,202	.04	265	.00	8 467	.02
90	ASTORIA	8,284	.04	0	.00	8,284	.02
91	CAPE CHARLES	7,593	.03	0	.00	7,593	.02
92	GUAM ISLAND	5,367	.02	1,848	.01	7,215	.02
93	EVERETT	500	.00	6,168	.03	6,668	.02
94	PENSACOLA	1,231	.01	5,028	.02	6,259	.01
95	RICHMOND, CALIF.	5,879	.03	0	.00	5,879	.01
96	PELICAN	2,982	.01	2,788	.01	5,770	.01
97	BURNS HARBOR	0	.00	5,470	.02	5,470	.01
98	LITTLE ROCK	0	.00	5,235	.02	5,235	.01
99	GUAYANILLA	2,029	.01	2,923	.01	4,952	.01
100	EVANSVILLE	765	.00	4,067	.02	4,832	.01
101	GEORGETOWN	650	.00	4,131	.02	4,781	.01
102	VALDEZ	385	.00	4,251	.02	4,636	.01
103	KING COVE	3,773	.02	699	.00	4,472	.01
104	NEW LONDON	0	.00	4,300	.02	4,300	.01
105	PHILADELPHIA	2,765	.01	1,186	.01	3,951	.01
106	YUKON RIVER	877	.00	2,756	.01	3,633	.01
107	TEXAS CITY	1,558	.01	2,029	.01	3,587	.01
108	PITTSBURG, PA.	3,524	.02	0	.00	3,524	.01
109	SOUTH BEND-RAYMOND	3,491	.02	0	.00	3,491	.01
110	MUSKOGEE	1,360	.01	1,280	.01	2,640	.01
111	SALEM	0	.00	2,400	.01	2,400	.01
112	EGEGIK	1,835	.01	561	.00	2,396	.01
113	ST. LOUIS	960	.00	1,374	.01	2,334	.01
114	PORTSMOUTH, N. H.	265	.00	1,230	.01	1,495	.00
115	JEFFERSON CITY	0	.00	1,460	.01	1,460	.00
116	MIDWAY ISLAND	192	.00	1,200	.01	1,392	.00
117	PEORIA	1,354	.01	0	.00	1,354	.00
118	CINCINNATI	0	.00	1,298	.01	1,298	.00
119	OLYMPIA	0	.00	1,271	.01	1,271	.00
120	VICKSBURG	1,210	.01	0	.00	1,210	.00
121	PANAMA CITY	0	.00	1,187	.01	1,187	.00
122	GREENVILLE	1,182	.01	0	.00	1,182	.00
123	KEY WEST	300	.00	650	.00	950	.00
124	FORT PIERCE	0	.00	695	.00	695	.00
125	BANGOR	248	.00	248	.00	496	.00
126	SEWARD	52	.00	344	.00	396	.00
127	MARSHALL	0	.00	302	.00	302	.00
128	CROCKETT	0	.00	297	.00	297	.00
129	KANSAS CITY	200	.00	0	.00	200	.00

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PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED DRY CARGO BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	SKAGWAY	144	.00	0	.00	144	.00
131	CHATTANOOGA	75	.00	0	.00	75	.00
132	ST. LAWRENCE ISL.	0	.00	23	.00	23	.00
133	NEWPORT NEWS	0	.00	22	.00	22	.00
134	AVONDALE	22	.00	0	.00	22	.00
135	MCGRATH POINT	0	.00	3	.00	3	.00
	* TOTAL FOR ALL PORTS	22.178.673	50.00	22.178.673	50.00	44.357.346	100.00

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PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED TANK BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	NEW YORK	14,443,281	31.59	7,339,629	16.05	21,782,910	23.82
2	TAMPA	81,359	.18	5,546,322	12.13	5,627,681	6.15
3	NEW HAVEN	566,367	1.24	4,046,670	8.85	4,613,037	5.04
4	PORT EVERGLADES	229,091	.50	3,803,426	8.32	4,032,517	4.41
5	BOSTON	1,922,305	4.20	2,040,731	4.46	3,963,036	4.33
6	PASCAGOULA	3,557,479	7.78	97,922	.21	3,655,401	4.00
7	SAN JUAN	1,163,281	2.54	1,619,365	3.54	2,782,646	3.04
8	HUMACAO	2,703,906	5.91	0	.00	2,703,906	2.96
9	BRIDGEPORT	96,825	.21	2,181,605	4.77	2,278,430	2.49
10	PROVIDENCE	156,283	.34	2,029,234	4.44	2,185,517	2.39
11	DESTREHAN	1,856,617	4.06	7,919	.02	1,864,536	2.04
12	PORTLAND, ME.	42,996	.09	1,779,100	3.89	1,822,096	1.99
13	LAKE CHARLES	1,689,138	3.69	43,758	.10	1,732,896	1.89
14	MARCUS HOOK	1,533,055	3.35	104,290	.23	1,637,345	1.79
15	WILMINGTON, DEL.	1,575,859	3.45	26,636	.06	1,602,495	1.75
16	PAULSBORO	1,415,906	3.10	186,180	.41	1,602,086	1.75
17	FALL RIVER	55,801	.12	1,512,806	3.31	1,568,607	1.72
18	TEXAS CITY	1,360,984	2.98	42,090	.09	1,403,074	1.53
19	MAYAGUEZ	0	.00	1,341,536	2.93	1,341,536	1.47
20	JACKSONVILLE	3,830	.01	1,212,266	2.65	1,216,096	1.33
21	BEAUMONT	1,137,204	2.49	65,603	.14	1,202,807	1.32
22	HARTFORD	0	.00	1,169,805	2.56	1,169,805	1.28
23	PHILADELPHIA	1,049,971	2.30	116,218	.25	1,166,189	1.28
24	HOUSTON	918,492	2.01	215,093	.47	1,133,585	1.24
25	CORPUS CHRISTI	1,119,782	2.45	0	.00	1,119,782	1.22
26	NEW LONDON	741,571	1.62	373,781	.82	1,115,352	1.22
27	CHARLESTON	0	.00	925,913	2.02	925,913	1.01
28	GUAYANILLA	498,281	1.09	367,175	.80	865,456	.95
29	NEWPORT NEWS	702,170	1.54	144,436	.32	846,606	.93
30	SAVANNAH	219,341	.48	573,020	1.25	792,361	.87
31	MIAMI	319,998	.70	438,616	.96	758,614	.83
32	ALBANY	88,279	.19	654,805	1.43	743,084	.81
33	WILMINGTON, N.C.	45,469	.10	689,762	1.51	735,231	.80
34	BALTIMORE	165,032	.36	458,307	1.00	623,339	.68
35	CHRISTIANSTED	484,016	1.06	97,874	.21	581,890	.64
36	NEW ORLEANS	449,441	.98	71,836	.16	521,277	.57
37	BELFAST	0	.00	421,094	.92	421,094	.46
38	BATON ROUGE	373,691	.82	43,732	.10	417,423	.46
39	MOBILE	284,670	.62	82,320	.18	366,990	.40
40	PORTSMOUTH, N. H.	127,345	.28	212,426	.46	339,771	.37
41	SEATTLE	275,588	.60	58,821	.13	334,409	.37
42	SALEM	0	.00	318,318	.70	318,318	.35
43	BOCAGRANDE	1,307	.00	252,888	.55	254,195	.28

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	PLYMOUTH	100.585	.22	145.585	.32	246.170	.27
45	EUREKA	0	.00	232.849	.51	232.849	.25
46	HONOLULU	218.138	.48	8.626	.02	226.764	.25
47	VALDEZ	37.262	.08	177.926	.39	215.188	.24
48	KETCHIKAN	7.088	.02	201.731	.44	208.819	.23
49	SUISUN BAY	194.841	.43	0	.00	194.841	.21
50	ANCHORAGE/UNIMAK	181.632	.40	4.527	.01	186.159	.20
51	NORFOLK	9.472	.02	175.669	.38	185.141	.20
52	CHARLETTE AMALIE	17.944	.04	160.068	.35	178.012	.19
53	ALEUTIAN ISLANDS	108.345	.24	66.556	.15	174.901	.19
54	KEY WEST	0	.00	154.759	.34	154.759	.17
55	SITKA	26.505	.06	122.769	.27	149.274	.16
56	GALVESTON	132.362	.29	0	.00	132.362	.14
57	KAHULUI	13.428	.03	113.780	.25	127.208	.14
58	FREEPORT	125.249	.27	0	.00	125.249	.14
59	COOS BAY	47.981	.10	76.823	.17	124.804	.14
60	PORT ARTHUR	120.510	.26	0	.00	120.510	.13
61	BELLINGHAM	118.844	.26	0	.00	118.844	.13
62	CARRABELLE	79.298	.17	35.540	.08	114.838	.13
63	VENTURA	112.104	.25	0	.00	112.104	.12
64	LONG BEACH	22.400	.05	76.631	.17	99.031	.11
65	PORTLAND, ORE.	16.702	.04	75.362	.16	92.064	.10
66	LONGVIEW	4.035	.01	86.910	.19	90.945	.10
67	RICHMOND, CALIF.	79.898	.17	5.077	.01	84.975	.09
68	NEW BEDFORD	10.245	.02	72.708	.16	82.953	.09
69	HILO	2.068	.00	73.549	.16	75.617	.08
70	PORT LAVACA	0	.00	75.444	.16	75.444	.08
71	CARQUINEZ STRAIT	39.637	.09	33.992	.07	73.629	.08
72	TACOMA	65.104	.14	7.333	.02	72.437	.08
73	CAMDEN	33.298	.07	38.926	.09	72.224	.08
74	BEAUFORT-MOREHEAD CITY	22.382	.05	46.630	.10	69.012	.08
75	PORT ST. JOE	35.540	.08	29.355	.06	64.895	.07
76	PORT CANAVERAL	0	.00	64.595	.14	64.595	.07
77	LOS ANGELES	4.637	.01	54.864	.12	59.501	.07
78	ANACORTES	50.162	.11	0	.00	50.162	.05
79	BANGOR	0	.00	46.919	.10	46.919	.05
80	AVONDALE	46.771	.10	0	.00	46.771	.05
81	RICHMOND-PETERSBURG	0	.00	46.500	.10	46.500	.05
82	NAWILIWILI-PT. ALLEN	276	.00	37.955	.08	38.231	.04
83	BETHEL	5.029	.01	32.260	.07	37.289	.04
84	ST. PETERSBURG	776	.00	34.972	.08	35.748	.04
85	WAKE ISLAND	2.404	.01	31.714	.07	34.118	.04
86	GUAM ISLAND	31.714	.07	2.404	.01	34.118	.04

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	PENSACOLA	0	.00	32.806	.07	32.806	.04
88	NAKNEK	1.756	.00	30.814	.07	32.570	.04
89	NO. OF NOME	5.385	.01	25.808	.06	31.193	.03
90	GUANICA	5.000	.01	23.910	.05	28.910	.03
91	PONCE	21.115	.05	7.365	.02	28.480	.03
92	SAN PABLO BAY	27.012	.06	0	.00	27.012	.03
93	WEST PALM BEACH	0	.00	25.723	.06	25.723	.03
94	ST. ROSE	24.598	.05	0	.00	24.598	.03
95	SAN DIEGO	0	.00	23.385	.05	23.385	.03
96	DILLINGHAM	26	.00	22.149	.05	22.175	.02
97	KODIAK	39	.00	20.935	.05	20.974	.02
98	SEARSPORT	0	.00	20.107	.04	20.107	.02
99	ST. MICHAEL	15.940	.03	2.226	.00	18.166	.02
100	CHESTER	0	.00	17.698	.04	17.698	.02
101	STOCKTON	0	.00	17.248	.04	17.248	.02
102	KENAI	16.413	.04	0	.00	16.413	.02
103	VANCOUVER	0	.00	14.034	.03	14.034	.02
104	POTOMAC RIV.BELOW WASH. D.C.	6.908	.02	6.363	.01	13.271	.01
105	MARSHALL	153	.00	11.073	.02	11.226	.01
106	HOPEWELL	0	.00	10.978	.02	10.978	.01
107	GLOUCESTER CITY, N.J.	4.798	.01	5.115	.01	9.913	.01
108	NOME	650	.00	8.983	.02	9.633	.01
109	MELLVILLE	5.875	.01	2.042	.00	7.917	.01
110	OGDENSBURG	0	.00	6.954	.02	6.954	.01
111	KINNEGNAK	61	.00	6.792	.01	6.853	.01
112	JUNEAU	352	.00	4.934	.01	5.286	.01
113	SAN JOAQUIN RIVER	4.882	.01	0	.00	4.882	.01
114	ST. LAWRENCE ISL.	0	.00	3.702	.01	3.702	.00
115	GRAMERCY	3.145	.01	0	.00	3.145	.00
116	SEWARD	0	.00	2.859	.01	2.859	.00
117	ANCHORAGE	137	.00	2.329	.01	2.466	.00
118	YUKON RIVER	4	.00	1.338	.00	1.342	.00
119	PORT HUENEME	0	.00	1.335	.00	1.335	.00
120	PETERSBURG, ALASKA	389	.00	872	.00	1.261	.00
121	BRUNSWICK	0	.00	1.200	.00	1.200	.00
122	MORGAN CITY	1.200	.00	0	.00	1.200	.00
123	WRANGELL	243	.00	634	.00	877	.00
124	HOOPER BAY	0	.00	411	.00	411	.00
	* TOTAL FOR ALL PORTS	45.726.758	50.00	45.726.758	50.00	91.453.516	100.00

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PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	NEW YORK	26.099.374	5.91	37.543.518	8.50	63.642.892	7.21
2	VALDEZ	60.182.358	13.63	219.529	.05	60.401.887	6.84
3	CHRISTIANSTED	25.507.606	5.78	1.258.739	.29	26.766.345	3.03
4	TAMPA	7.130.400	1.62	19.469.883	4.41	26.600.283	3.01
5	PUERTO ARMUELLES	10.166.960	2.30	11.732.854	2.66	21.899.814	2.48
6	HOUSTON	16.293.805	3.69	3.985.444	.90	20.279.249	2.30
7	BOSTON	2.795.513	.63	14.217.905	3.22	17.013.418	1.93
8	LOS ANGELES	5.476.915	1.24	11.149.916	2.53	16.626.831	1.88
9	LONG BEACH	2.258.644	.51	13.550.058	3.07	15.808.702	1.79
10	CARQUINEZ STRAIT	2.978.542	.67	10.250.022	2.32	13.228.564	1.50
11	RICHMOND, CALIF.	4.726.494	1.07	8.472.492	1.92	13.198.986	1.50
12	CORPUS CHRISTI	11.988.860	2.72	822.751	.19	12.811.611	1.45
13	PORT EVERGLADES	934.564	.21	9.708.942	2.20	10.643.506	1.21
14	BELLINGHAM	1.407.520	.32	9.190.615	2.08	10.598.135	1.20
15	BEAUMONT	8.556.011	1.94	1.842.322	.42	10.398.333	1.18
16	HONOLULU	3.592.604	.81	6.129.205	1.39	9.721.809	1.10
17	BATON ROUGE	5.371.112	1.22	4.129.683	.94	9.500.795	1.08
18	NEW HAVEN	1.118.280	.25	8.316.630	1.88	9.436.910	1.07
19	NEW ORLEANS	7.245.731	1.64	1.885.855	.43	9.131.586	1.03
20	EL SEGUNDO	2.167.573	.49	6.804.718	1.54	8.972.291	1.02
21	SAN JUAN	3.131.497	.71	5.823.668	1.32	8.955.165	1.01
22	MARCUS HOOK	3.203.438	.73	5.521.848	1.25	8.725.286	.99
23	PORT ARTHUR	7.322.878	1.66	1.098.000	.25	8.420.878	.95
24	DESTREHAN	6.709.223	1.52	478.340	.11	7.187.563	.81
25	JACKSONVILLE	738.086	.17	6.185.129	1.40	6.923.215	.78
26	TEXAS CITY	6.048.703	1.37	405.203	.09	6.453.906	.73
27	PROVIDENCE	235.602	.05	6.110.539	1.38	6.346.141	.72
28	PHILADELPHIA	4.234.217	.96	2.059.063	.47	6.293.280	.71
29	HUMACAO	4.289.821	.97	1.892.527	.43	6.182.348	.70
30	PORTLAND, ORE.	830.752	.19	5.268.097	1.19	6.098.849	.69
31	PASCAGOULA	5.256.497	1.19	574.677	.13	5.831.174	.66
32	GRAMERCY	622.186	.14	4.882.593	1.11	5.504.779	.62
33	ANCHORAGE/UNIMAK	5.201.125	1.18	302.187	.07	5.503.312	.62
34	PAULSBORO	3.106.841	.70	2.022.419	.46	5.129.260	.58
35	MORRO	4.207.720	.95	777.680	.18	4.985.400	.56
36	BALTIMORE	839.258	.19	4.093.979	.93	4.933.237	.56
37	WILMINGTON, DEL.	3.824.745	.87	1.036.257	.23	4.861.002	.55
38	LAKE CHARLES	3.938.219	.89	648.301	.15	4.586.520	.52
39	PORTLAND, ME.	487.337	.11	4.085.404	.93	4.572.741	.52
40	CHARLESTON	296.121	.07	3.776.479	.86	4.072.600	.46
41	SAN FRANCISCO	401.131	.09	3.524.236	.80	3.925.367	.44
42	WILMINGTON, N.C.	262.448	.06	3.637.419	.82	3.899.867	.44
43	BRIDGEPORT	219.102	.05	3.652.861	.83	3.871.963	.44

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REPORT YEAR 1979
U.S DOMESTIC OCEAN WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	SEATTLE	1,633,630	.37	2,204,761	.50	3,838,391	.43
45	GUAYANILLA	2,659,445	.60	1,154,924	.26	3,814,369	.43
46	SAN PABLO BAY	1,693,061	.38	1,712,235	.39	3,405,296	.39
47	ALBANY	1,138,235	.26	2,098,635	.48	3,236,870	.37
48	FALL RIVER	116,312	.03	3,014,257	.68	3,130,569	.35
49	NEW LONDON	826,855	.19	2,182,347	.49	3,009,202	.34
50	SAN DIEGO	65,929	.01	2,617,670	.59	2,683,599	.30
51	SAVANNAH	336,652	.08	2,178,533	.49	2,515,185	.28
52	NORFOLK	85,220	.02	2,172,722	.49	2,257,942	.26
53	FREEPORT	1,150,381	.26	953,743	.22	2,104,124	.24
54	CAMDEN	251,802	.06	1,800,378	.41	2,052,180	.23
55	ANACORTES	1,272,554	.29	559,450	.13	1,832,004	.21
56	KAHULUI	815,817	.18	989,596	.22	1,805,413	.20
57	PORTSMOUTH, N. H.	278,369	.06	1,374,863	.31	1,653,232	.19
58	OAKLAND + ALAMEDA	1,116,958	.25	490,107	.11	1,607,065	.18
59	NEWPORT NEWS	702,170	.16	889,528	.20	1,591,698	.18
60	GALVESTON	1,447,466	.33	97,845	.02	1,545,311	.18
61	HILO	672,500	.15	868,904	.20	1,541,404	.17
62	VENTURA	1,198,840	.27	290,997	.07	1,489,837	.17
63	MAYAGUEZ	19,113	.00	1,466,021	.33	1,485,134	.17
64	HARTFORD	1,701	.00	1,412,541	.32	1,414,242	.16
65	MOBILE	969,250	.22	366,881	.08	1,336,131	.15
66	ANCHORAGE	129,656	.03	1,198,561	.27	1,328,217	.15
67	COOS BAY	678,206	.15	613,387	.14	1,291,593	.15
68	MIAMI	430,712	.10	840,365	.19	1,271,077	.14
69	TACOMA	677,081	.15	578,085	.13	1,255,166	.14
70	PORT HUENEME	8,338	.00	1,137,556	.26	1,145,894	.13
71	KENAI	1,024,015	.23	93,197	.02	1,117,212	.13
72	MONTEREY	0	.00	1,055,555	.24	1,055,555	.12
73	KODIAK	406,759	.09	509,338	.12	916,097	.10
74	PORT SAN LUIS	438,634	.10	448,601	.10	887,235	.10
75	NAWILIWILI-PT. ALLEN	408,688	.09	423,768	.10	832,456	.09
76	SUISUN BAY	500,403	.11	328,649	.07	829,052	.09
77	SALEM	0	.00	811,798	.18	811,798	.09
78	LONGVIEW	179,987	.04	599,002	.14	778,989	.09
79	BEAUFORT-MOREHEAD CITY	28,310	.01	737,599	.17	765,909	.09
80	BOCAGRANDE	81,661	.02	448,596	.10	530,257	.06
81	BELFAST	0	.00	519,276	.12	519,276	.06
82	KETCHIKAN	108,050	.02	396,508	.09	504,558	.06
83	BANGOR	1,905	.00	496,604	.11	498,509	.06
84	ALEUTIAN ISLANDS	172,517	.04	319,013	.07	491,530	.06
85	ST. PETERSBURG	18,977	.00	468,289	.11	487,266	.06
86	PORT CANAVERAL	0	.00	477,834	.11	477,834	.05

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PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
87	ST. ROSE	410,109	.09	50.798	.01	460.907	.05
88	POTOMAC RIV.BELOW WASH. D.C.	41,466	.01	396.832	.09	438.298	.05
89	EUREKA	1,800	.00	420.184	.10	421.984	.05
90	SABINE	407.583	.09	0	.00	407.583	.05
91	PLYMOUTH	100.594	.02	286.648	.06	387.242	.04
92	GEORGETOWN	650	.00	357.618	.08	358.268	.04
93	NEWPORT, ORE.	93.324	.02	261.663	.06	354.987	.04
94	CHARLETTE AMALIE	47.628	.01	301.804	.07	349.432	.04
95	PENSACOLA	301,098	.07	37.834	.01	338.932	.04
96	PORT ANGELES	34.861	.01	273.015	.06	307.876	.03
97	SACRAMENTO	0	.00	276.779	.06	276.779	.03
98	WEST PALM BEACH	193.682	.04	61.516	.01	255.198	.03
99	STOCKTON	0	.00	247.242	.06	247.242	.03
100	WHITTIER	30.980	.01	190.316	.04	221.296	.03
101	SITKA	41.369	.01	172.520	.04	213.889	.02
102	ABERDEEN-HOQUIAM	73.074	.02	123.665	.03	196.739	.02
103	NEW BEDFORD	40.652	.01	153.039	.03	193.691	.02
104	GUAM ISLAND	48.826	.01	141.204	.03	190.030	.02
105	GLOUCESTER CITY, N.J.	4,798	.00	183.931	.04	188.729	.02
106	KEY WEST	300	.00	169.728	.04	170.028	.02
107	GUANICA	37.707	.01	124.745	.03	162.452	.02
108	SEARSPORT	2,618	.00	147.477	.03	150.095	.02
109	FAJARDO	37.786	.01	88.170	.02	125.956	.01
110	NO. OF NOME	21.262	.00	99.407	.02	120.669	.01
111	CARRABELLE	79.298	.02	35.540	.01	114.838	.01
112	JUNEAU	7.706	.00	105.088	.02	112.794	.01
113	HOPEWELL	73.403	.02	38.482	.01	111.885	.01
114	REDWOOD CITY	62.065	.01	48.365	.01	110.430	.01
115	CHICAGO	35.936	.01	71.313	.02	107.249	.01
116	VANCOUVER	2.820	.00	104.019	.02	106.839	.01
117	PORT ST. JOE	35.540	.01	69.611	.02	105.151	.01
118	AVONDALE	99.862	.02	0	.00	99.862	.01
119	PONCE	44.968	.01	49.040	.01	94.008	.01
120	MELLVILLE	25.611	.01	57.454	.01	83.065	.01
121	SAN JOAQUIN RIVER	33.260	.01	45.584	.01	78.844	.01
122	PORT LAVACA	0	.00	75.444	.02	75.444	.01
123	RICHMOND-PETERSBURG	0	.00	71.118	.02	71.118	.01
124	MORGAN CITY	60.812	.01	0	.00	60.812	.01
125	DETROIT	0	.00	60.658	.01	60.658	.01
126	WAKE ISLAND	5.119	.00	52.628	.01	57.747	.01
127	BETHEL	10.287	.00	46.914	.01	57.201	.01
128	BRUNSWICK	0	.00	56.793	.01	56.793	.01
129	NAKNEK	12.327	.00	43.212	.01	55.539	.01

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RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
130	DILLINGHAM	12.372	.00	35.462	.01	47.834	.01
131	KINNEGNAK	7.659	.00	25.836	.01	33.495	.00
132	NEWPORT	0	.00	30.926	.01	30.926	.00
133	ST. MICHAEL	15.940	.00	13.035	.00	28.975	.00
134	KALAMA	0	.00	28.764	.01	28.764	.00
135	PORT TOWNSEND	0	.00	26.716	.01	26.716	.00
136	PETERSBURG, ALASKA	14.058	.00	11.643	.00	25.701	.00
137	TOLEDO	25.562	.01	0	.00	25.562	.00
138	KING COVE	12.608	.00	9.826	.00	22.434	.00
139	NOME	891	.00	18.523	.00	19.414	.00
140	CHESTER	0	.00	17.698	.00	17.698	.00
141	SEWARD	1.003	.00	15.349	.00	16.352	.00
142	WRANGELL	5.501	.00	9.168	.00	14.669	.00
143	MARSHALL	153	.00	11.375	.00	11.528	.00
144	BROWNSVILLE + PT. ISABEL	9.315	.00	0	.00	9.315	.00
145	ASTORIA	8.284	.00	23	.00	8.307	.00
146	CAPE CHARLES	7.593	.00	0	.00	7.593	.00
147	OGDENSBURG	0	.00	6.954	.00	6.954	.00
148	ROCKLAND	820	.00	6.006	.00	6.826	.00
149	EVERETT	500	.00	6.168	.00	6.668	.00
150	PELICAN	3.397	.00	3.174	.00	6.571	.00
151	ST. LAWRENCE ISL.	0	.00	6.048	.00	6.048	.00
152	VICKSBURG	5.722	.00	0	.00	5.722	.00
153	BURNS HARBOR	0	.00	5.470	.00	5.470	.00
154	YUKON RIVER	1.269	.00	4.129	.00	5.398	.00
155	LITTLE ROCK	0	.00	5.235	.00	5.235	.00
156	EVANSVILLE	765	.00	4.067	.00	4.832	.00
157	EASTPORT	288	.00	3.858	.00	4.146	.00
158	BAR HARBOR	3.998	.00	0	.00	3.998	.00
159	JONESPORT	0	.00	3.538	.00	3.538	.00
160	SKAGWAY	144	.00	3.383	.00	3.527	.00
161	PITTSBURG, PA.	3.524	.00	0	.00	3.524	.00
162	SOUTH BEND-RAYMOND	3.491	.00	0	.00	3.491	.00
163	MUSKOGEE	1.360	.00	1.280	.00	2.640	.00
164	EGEGIK	1.845	.00	561	.00	2.406	.00
165	ST. LOUIS	960	.00	1.374	.00	2.334	.00
166	BATH	62	.00	2.197	.00	2.259	.00
167	FREDERIKSTED	0	.00	1.630	.00	1.630	.00
168	HOOPER BAY	0	.00	1.522	.00	1.522	.00
169	JEFFERSON CITY	0	.00	1.460	.00	1.460	.00
170	MIDWAY ISLAND	192	.00	1.200	.00	1.392	.00
171	PEORIA	1.354	.00	0	.00	1.354	.00
172	OLD HARBOR	150	.00	1.197	.00	1.347	.00

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(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
173	CINCINNATI	0	.00	1.298	.00	1.298	.00
174	OLYMPIA	0	.00	1.271	.00	1.271	.00
175	PANAMA CITY	0	.00	1.187	.00	1.187	.00
176	GREENVILLE	1.182	.00	0	.00	1.182	.00
177	FORT PIERCE	0	.00	695	.00	695	.00
178	CROCKETT	0	.00	297	.00	297	.00
179	KANSAS CITY	200	.00	0	.00	200	.00
180	GLOUCESTER, MASS.	80	.00	20	.00	100	.00
181	CHATTANOOGA	75	.00	0	.00	75	.00
182	MCGRATH POINT	0	.00	3	.00	3	.00
	* TOTAL FOR ALL PORTS	297.865.470	50.00	297.865.470	50.00	595.730.940	100.00

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PROFILE OF THE NORTH ATLANTIC TRADE

FROM EASTPORT, MAINE TO THE BOUNDARY OF
VIRGINIA/NORTH CAROLINA

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	121,595,675
1976	123,443,626
1977	121,666,715
1978	117,980,243
1979	112,977,318

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
DISTILLATE FUEL OIL	30,178,460	26.7%
RESIDUAL FUEL OIL	29,973,480	26.5%
GASOLINE	25,876,273	22.9%
CRUDE PETROLEUM	4,388,882	03.8%
SAND AND GRAVEL	2,844,669	02.5%
JET FUEL	2,694,804	02.3%
ASPHALT,TAR, AND PITCHES	2,121,451	01.8%
NAPHTHA AND OTHER PETROL SOLVN	1,838,810	01.6%
BASIC CHEMICALS + PRODTS, NEC	1,790,602	01.5%
LUBRICATING OILS AND GREASES	1,777,050	01.5%
ALL OTHER COMMODITIES	9,492,837	08.4%
	112,977,318	

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PROFILE OF THE SORTH ATLANTIC TRADE

FROM BOUNDARY OF VIRGINIA/NORTH CAROLINA
TO FLORIDA KEYS

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	25.176.693
1976	27.938.074
1977	30.469.949
1978	30.818.664
1979	30.663.252

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
GASOLINE	11.285.003	36.8%
RESIDUAL FUEL OIL	6.564.306	21.4%
DISTILLATE FUEL OIL	3.588.565	11.7%
JET FUEL	2.021.942	06.5%
BASIC CHEMICALS + PRODTS, NEC	1.126.358	03.6%
ASPHALT,TAR, AND PITCHES	917.189	02.9%
CRUDE PETROLEUM	812.162	02.6%
SULPHUR LIGUID (EUO)	647.157	02.1%
COMMODITIES, N.E.C.	393.090	01.2%
NAPHTHA AND OTHER PETROL SOLVN	389.380	01.2%
ALL OTHER COMMODITIES	2.918.100	09.5%
	30.663.252	

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PROFILE OF THE GULF TRADE

FROM FLORIDA KEYS TO BROWNSVILLE, TEXAS

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	103,706,257
1976	101,771,896
1977	106,442,656
1978	99,264,968
1979	104,208,173

PRINCIPAL COMMODITIES OF TRADE FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
GASOLINE	23,923,229	22.9%
RESIDUAL FUEL OIL	19,715,071	18.9%
DISTILLATE FUEL OIL	17,438,564	16.7%
CRUDE PETROLEUM	9,755,551	09.3%
PHOSPHATE ROCK	7,017,785	06.7%
JET FUEL	4,666,191	04.4%
SULPHUR LIQUID (EUO)	4,363,903	04.1%
BASIC CHEMICALS + PRODTS. NEC	3,096,870	02.9%
BITUMINOUS COAL AND LIGNITE	2,740,536	02.6%
LUBRICATING OILS AND GREASES	2,100,038	02.0%
ALL OTHER COMMODITIES	9,390,435	09.0%
	104,208,173	

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PROFILE OF THE CALIFORNIA TRADE

STATE OF CALIFORNIA

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	44,138,354
1976	46,661,509
1977	50,180,714
1978	64,345,776
1979	76,341,261

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
CRUDE PETROLEUM	46,636,629	61.0%
RESIDUAL FUEL OIL	11,962,957	15.6%
DISTILLATE FUEL OIL	4,518,950	05.9%
GASOLINE	3,824,447	05.0%
JET FUEL	1,164,358	01.5%
SUGAR	965,441	01.2%
LUMBER	815,316	01.0%
BASIC CHEMICALS + PRODTS, NEC	810,945	01.0%
LUBRICATING OILS AND GREASES	782,721	01.0%
ASPHALT,TAR, AND PITCHES	695,726	00.9%
ALL OTHER COMMODITIES	4,163,771	05.4%
	76,341,261	

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PROFILE OF THE PACIFIC NW TRADE

STATES OF OREGON AND WASHINGTON

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	13,614,607
1976	14,775,103
1977	17,474,825
1978	24,539,298
1979	25,530,690

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
CRUDE PETROLEUM	10,217,819	40.0%
RESIDUAL FUEL OIL	3,196,344	12.5%
DISTILLATE FUEL OIL	2,757,799	10.8%
GASOLINE	2,408,491	09.4%
LUMBER	1,021,923	04.0%
BASIC CHEMICALS + PRODTS. NEC	801,443	03.1%
SAND AND GRAVEL	690,288	02.7%
ASPHALT.TAR. AND PITCHES	657,111	02.5%
COMMODITIES. N.E.C.	583,908	02.2%
JET FUEL	423,538	01.6%
ALL OTHER COMMODITIES	2,772,026	10.8%
	25,530,690	

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PROFILE OF THE HAWAII TRADE

STATE OF HAWAII

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	9.680.687
1976	9.253.162
1977	8.894.414
1978	9.427.143
1979	10.918.828

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
CRUDE PETROLEUM	2.258.412	20.6%
RESIDUAL FUEL OIL	1.249.041	11.4%
SUGAR	976.096	08.9%
COMMODITIES, N.E.C.	733.930	06.7%
METAL CONTAINERS	589.762	05.4%
MOTOR VEHICALS.PARTS + EQUIPMT	531.201	04.8%
FRUIT AND PREPARATIONS	456.375	04.1%
MOLASSES. INEDIBLE	347.553	03.1%
GASOLINE	304.173	02.7%
FRSH FRTS + TR NUTS.EX BAN.PLT	279.178	02.5%
ALL OTHER COMMODITIES	3.193.107	29.2%
	10.918.828	

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PROFILE OF THE ALASKA TRADE

STATE OF ALASKA

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	14,045,944
1976	13,365,606
1977	20,345,060
1978	46,548,808
1979	70,011,115

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
CRUDE PETROLEUM	63,798,716	91.1%
RESIDUAL FUEL OIL	1,138,084	01.6%
BASIC CHEMICALS + PRODTS, NEC	763,537	01.0%
COMMODITIES, N.E.C.	755,990	01.0%
DISTILLATE FUEL OIL	748,440	01.0%
GASOLINE	411,487	00.5%
NITROG-FERTILIZER + FERT MATRS	266,942	00.3%
FISH + FISH PROD,PREP OR PRESV	224,775	00.3%
KEROSENE	216,817	00.3%
JET FUEL	178,712	00.2%
ALL OTHER COMMODITIES	1,507,615	02.1%
	70,011,115	

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PROFILE OF THE PUERTO RICO TRADE

COMMONWEALTH OF PUERTO RICO

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	14,808,211
1976	15,493,902
1977	15,979,102
1978	15,359,924
1979	17,443,588

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
RESIDUAL FUEL OIL	2,385,719	13.6%
CRUDE PETROLEUM	2,165,222	12.4%
DISTILLATE FUEL OIL	2,075,514	11.8%
GASOLINE	1,952,766	11.1%
NAPHTHA AND OTHER PETROL SOLVN	1,085,710	06.2%
COMMODITIES, N.E.C.	1,016,650	05.8%
BASIC CHEMICALS + PRODTS, NEC	923,613	05.2%
MISC. FOOD PRODUCTS	451,863	02.5%
CORN	317,238	01.8%
LUBRICATING OILS AND GREASES	305,802	01.7%
ALL OTHER COMMODITIES	4,783,491	27.3%
	17,443,588	

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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PROFILE OF THE VIRGIN ISLAND TRADE

TERRITORY OF VIRGIN ISLANDS

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	21,837,883
1976	24,742,338
1977	21,829,939
1978	24,376,413
1979	26,858,747

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
RESIDUAL FUEL OIL	13,779,664	51.3%
DISTILLATE FUEL OIL	5,904,945	21.9%
GASOLINE	4,414,387	16.4%
CRUDE PETROLEUM	1,073,076	03.9%
JET FUEL	478,344	01.7%
KEROSENE	354,829	01.3%
BENZENE + TOLUENE	250,590	00.9%
BASIC CHEMICALS + PRODTS, NEC	211,787	00.7%
NAPHTHA AND OTHER PETROL SOLVN	57,353	00.2%
ALCOHOLIC BEVERAGES	30,401	00.1%
ALL OTHER COMMODITIES	303,371	01.1%
	26,858,747	

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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PROFILE OF THE PACIFIC ISLAND TRADE

PACIFIC ISLANDS (GUAM-MIDWAY-WAKE ISLANDS)

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1975	188.130
1976	357.080
1977	292.928
1978	324.412
1979	207.836

PRINCIPAL COMMODITIES OF TRADE
FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
COMMODITIES, N.E.C.	39.174	18.8%
LUBRICATING OILS AND GREASES	22.905	11.0%
METAL CONTAINERS	17.737	08.5%
MISC.PRODUCTS OF MANUFACTURING	10.116	04.8%
MOTOR VEHICALS.PARTS + EQUIPMT	7.792	03.7%
SHELLFISH	7.321	03.5%
MISC. FOOD PRODUCTS	7.262	03.4%
VEGETABLES AND PREPARATIONS	6.769	03.2%
BUILDING CEMENT	6.585	03.1%
ALCOHOLIC BEVERAGES	5.722	02.7%
ALL OTHER COMMODITIES	76.453	36.7%
	207.836	

NOTE: TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

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PART THREE

GREAT LAKES TRADE

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U.S. GREAT LAKES DOMESTIC AND FOREIGN WATERBORNE COMMERCE

(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
DOMESTIC	137,088 (71%)	140,313 (68%)	116,855 (63%)	150,774 (68%)	151,209 (67%)
TRANSLAKES (U.S. & Canada)	46,829 (24%)	53,896 (20%)	53,154 (28%)	50,878 (23%)	57,416 (26%)
OTHER FOREIGN	9,930 (5%)	11,761 (6%)	16,006 (9%)	19,722 (9%)	16,340 (7%)
TOTAL	193,847(100%)	205,971(100%)	186,015(100%)	219,679(100%)	224,965(100%)

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U.S. GREAT LAKES DOMESTIC WATERBORNE COMMERCE BY TYPE VESSEL

(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975	1976	1977	1978	1979
SELF-PROPELLED DRY CARGO VESSEL	127,420 (93%)	129,227 (92%)	107,724 (92%)	142,677 (95%)	143,162 (95%)
SELF-PROPELLED TANKER VESSEL	4,400 (3%)	4,147 (3%)	3,529 (3%)	2,842 (2%)	2,961 (2%)
NON-SELF-PROPELLED DRY CARGO BARGE	2,742 (2%)	3,937 (3%)	1,585 (1%)	2,284 (1%)	2,130 (1%)
NON-SELF-PROPELLED TANK BARGE	2,526 (2%)	3,002 (2%)	4,017 (4%)	2,971 (2%)	2,956 (2%)
TOTAL	137,088 (100%)	140,313 (100%)	116,855 (100%)	150,774 (100%)	151,209 (100%)

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SUMMARY OF PRINCIPAL COMMODITIES CARRIED IN U.S. GREAT LAKES DOMESTIC WATERBORNE COMMERCE
(THOUSANDS OF SHORT TONS AND PERCENTAGE OF TOTAL)

	1975		1976		1977		1978		1979	
COMMODITY										
IRON ORE & CONCENTRATES	66,177	(48%)	68,595	(49%)	45,253	(39%)	78,865	(52%)	78,523	(52%)
LIMESTONE	26,653	(19%)	27,546	(20%)	26,953	(23%)	29,662	(20%)	25,543	(17%)
COAL & LIGNITE	21,967	(16%)	21,818	(16%)	22,618	(19%)	23,907	(16%)	24,756	(16%)
SAND, GRAVEL & CRUSHED STONE	4,443	(3%)	3,950	(3%)	3,313	(3%)	3,255	(2%)	3,406	(2%)
BUILDING CEMENT	3,090	(2%)	3,116	(2%)	3,601	(3%)	3,786	(2%)	3,452	(2%)
DISTILLATE FUEL OIL	1,926	(2%)	2,098	(1%)	2,056	(2%)	1,478	(1%)	1,723	(1%)
GASOLINE	1,604	(1%)	1,474	(1%)	1,513	(1%)	1,491	(1%)	1,261	(1%)
RESIDUAL FUEL OIL	2,143	(2%)	2,549	(2%)	2,646	(2%)	1,712	(1%)	2,338	(2%)
NON-METALLIC MINERALS	1,422	(1%)	1,366	(1%)	1,018	(1%)	927	(1%)	1,299 1/	(1%)
WHEAT	1,455	(1%)	1,528	(1%)	1,385	(1%)	1,604	(1%)	1,364	(1%)
ALL OTHER COMMODITIES	6,208	(5%)	6,273	(4%)	6,499	(6%)	4,087	(3%)	7,544	(5%)
TOTAL	137,088	(100%)	140,313	(100%)	116,855	(100%)	150,774	(100%)	151,209	(100%)

1/ Gypsum, crude and plasters

PROFILE OF THE GREAT LAKES TRADE

UNITED STATES GREAT LAKES AREA

TOTAL ANNUAL TRAFFIC (SHORT TONS)

1974	155,284,205
1975	137,088,599
1976	140,313,516
1977	116,855,416
1978	150,774,479
1979	151,208,771

PRINCIPAL COMMODITIES OF TRADE FOR CALENDAR YEAR 1979

COMMODITY	TONNAGE	PERCENT
Iron Ore & Concentrates	78,523,072	52
Limestone	25,543,382	17
Coal & Lignite	24,755,716	16
Building Cement	3,451,724	2
Sand, Gravel, Crushed Rock	3,406,465	2
Residual Fuel Oil	2,337,868	2
Distillate Fuel Oil	1,723,441	1
Wheat	1,363,749	1
Gypsum, Crude & Plasters	1,299,347	1
Gasoline	1,261,465	1
All Other Commodities	7,542,542	5
Totals	151,208,771	100

BLANK PAGE

U.S. Great Lakes Fleet
1897-1980
(Self-Propelled Vessels of 1,000 Gross Tons and Over)

Year Built	Age	Type of Vessels: Bulk Carriers No.	Bulk Carriers DWT	Tankers No.	Tankers DWT	Others[1]	Total All Vessel
1897-1930	Over 50	47	582,675	2	13,166	3	52
1931-1950	30-50	35	624,225	1	---	4	40
1951-1960	20-30	24	597,425	---	---	2	26
1961-1970	10-20	---	---	---	---	---	---
1971-1980	Under 10	27[2]	1,135,900[2]	3	19,768	---	27
	Total	130[2]	2,940,225[2]	6	40,643	9	145

1/ Railroad Cars - Passenger Car Ferries

2/ Includes integrated tug-barge "PRESQUE ISLE" of 57,000 DWT, which for operations purpose is considered a vessel.

REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED DRY CARGO VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	DULUTH	25.821.598	19.00	996.679	.73	26.818.277	9.86
2	DETROIT	138.113	.10	20.474.468	15.06	20.612.581	7.58
3	SILVER BAY	19.607.323	14.42	592.028	.44	20.199.351	7.43
4	SUPERIOR	18.641.623	13.71	857.056	.63	19.498.679	7.17
5	TOLEDO	10.751.970	7.91	8.307.885	6.11	19.059.855	7.01
6	ESCANABA	16.550.785	12.18	209.108	.15	16.759.893	6.16
7	CLEVELAND	327.731	.24	14.205.253	10.45	14.532.984	5.35
8	EAST CHICAGO	409.788	.30	13.130.484	9.66	13.540.272	4.98
9	CONNEAUT	2.870.415	2.11	9.684.531	7.12	12.554.946	4.62
10	CHICAGO	2.944.830	2.17	7.779.439	5.72	10.724.269	3.94
11	ALPENA	9.116.669	6.71	1.381.432	1.02	10.498.101	3.86
12	ROGERS CITY	8.488.246	6.24	618.805	.46	9.107.051	3.35
13	ASHTABULA	1.713.485	1.26	6.300.534	4.64	8.014.019	2.95
14	GARY	0	.00	6.992.151	5.14	6.992.151	2.57
15	BUFFALO	27.766	.02	6.384.837	4.70	6.412.603	2.36
16	MARQUETTE	3.746.190	2.76	2.354.268	1.73	6.100.458	2.24
17	BURNS HARBOR	103.682	.08	5.948.266	4.38	6.051.948	2.23
18	MUSKEGON	1.177.231	.87	4.526.276	3.33	5.703.507	2.10
19	LORAIN	0	.00	4.355.879	3.20	4.355.879	1.60
20	SANDUSKY	3.908.628	2.88	196.146	.14	4.104.774	1.51
21	SAGINAW-BAY CITY	1.299.347	.96	2.684.464	1.97	3.983.811	1.47
22	PORT HURON	0	.00	3.958.893	2.91	3.958.893	1.46
23	SAULT STE. MARIE	3.759.891	2.77	38.340	.03	3.798.231	1.40
24	HURON	0	.00	3.277.916	2.41	3.277.916	1.21
25	MILWAUKEE	124.590	.09	2.697.317	1.98	2.821.907	1.04
26	MANITOWOC	1.489.210	1.10	1.047.258	.77	2.536.468	.93
27	GREEN BAY	0	.00	2.488.327	1.83	2.488.327	.92
28	FAIRPORT	239.512	.18	1.489.402	1.10	1.728.914	.64
29	DE TOUR VILLAGE	1.443.599	1.06	0	.00	1.443.599	.53
30	TRAVERSE CITY	945.809	.70	402.664	.30	1.348.473	.50
31	FERRYSBURG	198.965	.15	688.755	.51	887.720	.33
32	BENTON HARBOR	0	.00	391.916	.29	391.916	.14
33	HOLLAND	0	.00	388.168	.29	388.168	.14
34	ERIE	0	.00	347.966	.26	347.966	.13
35	ASHLAND	7.823	.01	327.118	.24	334.941	.12
36	SHEBOYGAN	41.950	.03	168.348	.12	210.298	.08
37	MARINETTE	0	.00	77.592	.06	77.592	.03
38	GRAND HAVEN	0	.00	60.675	.04	60.675	.02
39	CHEBOYGAN	0	.00	41.166	.03	41.166	.02
40	OSWEGO	0	.00	35.233	.03	35.233	.01
41	MACKINAC ISLAND	8.089	.01	18.724	.01	26.813	.01
42	OGDENSBURG	20.909	.02	0	.00	20.909	.01
43	STURGEON BAY	3.942	.00	3.942	.00	7.884	.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED DRY CARGO VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	GRAND PORTAGE	64	.00	64	.00	128	.00
	* TOTAL FOR ALL PORTS	135,929,773	50.00	135,929,773	50.00	271,859,546	100.00

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REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY SELF PROPELLED TANKER VESSEL
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	EAST CHICAGO	1.681.132	58.92	5.976	.21	1.687.108	29.56
2	TOLEDO	401.031	14.05	16.001	.56	417.032	7.31
3	MILWAUKEE	0	.00	415.454	14.56	415.454	7.28
4	SAGINAW-BAY CITY	159.681	5.60	227.305	7.97	386.986	6.78
5	CHICAGO	145.276	5.09	236.409	8.28	381.685	6.69
6	ESCANABA	0	.00	373.727	13.10	373.727	6.55
7	BUFFALO	142.809	5.00	194.938	6.83	337.747	5.92
8	TRAVERSE CITY	0	.00	287.106	10.06	287.106	5.03
9	SUPERIOR	98.185	3.44	165.350	5.79	263.535	4.62
10	CLEVELAND	48.005	1.68	196.561	6.89	244.566	4.29
11	DETROIT	160.236	5.62	28.252	.99	188.488	3.30
12	MUSKEGON	6.748	.24	105.519	3.70	112.267	1.97
13	SAULT STE. MARIE	0	.00	110.188	3.86	110.188	1.93
14	CHEBOYGAN	0	.00	104.389	3.66	104.389	1.83
15	GREEN BAY	0	.00	101.228	3.55	101.228	1.77
16	MARQUETTE	0	.00	94.296	3.30	94.296	1.65
17	LORAIN	0	.00	71.915	2.52	71.915	1.26
18	OGDENSBURG	0	.00	54.713	1.92	54.713	.96
19	ERIE	0	.00	22.394	.78	22.394	.39
20	SILVER BAY	0	.00	14.735	.52	14.735	.26
21	BURNS HARBOR	10.370	.36	0	.00	10.370	.18
22	SHEBOYGAN	0	.00	7.871	.28	7.871	.14
23	MACKINAC ISLAND	0	.00	7.597	.27	7.597	.13
24	OSWEGO	0	.00	7.596	.27	7.596	.13
25	DE TOUR VILLAGE	0	.00	2.249	.08	2.249	.04
26	MASSENA	0	.00	1.704	.06	1.704	.03
	* TOTAL FOR ALL PORTS	2.853.473	50.00	2.853.473	50.00	5.706.946	100.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED DRY CARGO BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	DULUTH	1.542.814	78.03	0	.00	1.542.814	39.02
2	CHICAGO	25.303	1.28	871.729	44.09	897.032	22.69
3	GARY	44.027	2.23	593.850	30.04	637.877	16.13
4	SUPERIOR	224.042	11.33	0	.00	224.042	5.67
5	CONNEAUT	0	.00	180.135	9.11	180.135	4.56
6	DETROIT	0	.00	113.147	5.72	113.147	2.86
7	ASHTABULA	0	.00	110.895	5.61	110.895	2.80
8	TRAVERSE CITY	100.216	5.07	0	.00	100.216	2.53
9	MILWAUKEE	0	.00	45.108	2.28	45.108	1.14
10	HOLLAND	0	.00	28.952	1.46	28.952	.73
11	SAULT STE. MARIE	10.034	.51	10.034	.51	20.068	.51
12	EAST CHICAGO	7.179	.36	12.666	.64	19.845	.50
13	OSWEGO	10.050	.51	0	.00	10.050	.25
14	ESCANABA	0	.00	7.826	.40	7.826	.20
15	MACKINAC ISLAND	7.826	.40	0	.00	7.826	.20
16	ALPENA	4.136	.21	0	.00	4.136	.10
17	BURNS HARBOR	1.235	.06	2.270	.11	3.505	.09
18	GRAND PORTAGE	10	.00	250	.01	260	.01
19	MARQUETTE	250	.01	10	.00	260	.01
20	FAIRPORT	0	.00	250	.01	250	.01
	* TOTAL FOR ALL PORTS	1.977.122	50.00	1.977.122	50.00	3.954.244	100.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY NON-SELF PROPELLED TANK BARGE
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	EAST CHICAGO	1,351,117	48.20	359,889	12.84	1,711,006	30.52
2	CHICAGO	233,207	8.32	1,233,281	43.99	1,466,488	26.16
3	MUSKEGON	324,433	11.57	38,870	1.39	363,303	6.48
4	DETROIT	153,405	5.47	168,263	6.00	321,668	5.74
5	TOLEDO	270,184	9.64	5,024	.18	275,208	4.91
6	BUFFALO	94,153	3.36	157,150	5.61	251,303	4.48
7	DULUTH	205,484	7.33	4,249	.15	209,733	3.74
8	ESCANABA	0	.00	116,556	4.16	116,556	2.08
9	BURNS HARBOR	3,000	.11	90,976	3.25	93,976	1.68
10	MACKINAC ISLAND	0	.00	90,005	3.21	90,005	1.61
11	CLEVELAND	0	.00	79,647	2.84	79,647	1.42
12	MILWAUKEE	0	.00	68,442	2.44	68,442	1.22
13	SUPERIOR	68,035	2.43	0	.00	68,035	1.21
14	SILVER BAY	67,943	2.42	0	.00	67,943	1.21
15	GREEN BAY	0	.00	54,845	1.96	54,845	.98
16	OGDENSBURG	0	.00	47,398	1.69	47,398	.85
17	SHEBOYGAN	0	.00	43,294	1.54	43,294	.77
18	RACINE	0	.00	41,259	1.47	41,259	.74
19	BENTON HARBOR	18,556	.66	21,410	.76	39,966	.71
20	SAGINAW-BAY CITY	7,830	.28	28,446	1.01	36,276	.65
21	PORT HURON	2,857	.10	33,255	1.19	36,112	.64
22	ERIE	0	.00	32,561	1.16	32,561	.58
23	MASSENA	0	.00	30,366	1.08	30,366	.54
24	LORAIN	0	.00	20,314	.72	20,314	.36
25	CHEBOYGAN	0	.00	16,757	.60	16,757	.30
26	ALPENA	0	.00	13,647	.49	13,647	.24
27	TRAVERSE CITY	637	.02	7,062	.25	7,699	.14
28	FERRYSBURG	2,125	.08	0	.00	2,125	.04
29	GRAND PORTAGE	0	.00	310	.01	310	.01
30	MARQUETTE	310	.01	0	.00	310	.01
	* TOTAL FOR ALL PORTS	2,803,276	50.00	2,803,276	50.00	5,606,552	100.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
1	DULUTH	27.569.896	6.25	1.000.928	.23	28.570.824	3.24
2	DETROIT	451.754	.10	20.784.130	4.71	21.235.884	2.41
3	SILVER BAY	19.675.266	4.46	606.763	.14	20.282.029	2.30
4	SUPERIOR	19.031.885	4.31	1.022.406	.23	20.054.291	2.27
5	TOLEDO	11.423.185	2.59	8.328.910	1.89	19.752.095	2.24
6	ESCANABA	16.550.785	3.75	707.217	.16	17.258.002	1.95
7	EAST CHICAGO	3.449.216	.78	13.509.015	3.06	16.958.231	1.92
8	CLEVELAND	375.736	.09	14.481.461	3.28	14.857.197	1.68
9	CHICAGO	3.348.616	.76	10.120.858	2.29	13.469.474	1.53
10	CONNEAUT	2.870.415	.65	9.864.666	2.23	12.735.081	1.44
11	ALPENA	9.120.805	2.07	1.395.079	.32	10.515.884	1.19
12	ROGERS CITY	8.488.246	1.92	618.805	.14	9.107.051	1.03
13	ASHTABULA	1.713.485	.39	6.411.429	1.45	8.124.914	.92
14	GARY	44.027	.01	7.586.001	1.72	7.630.028	.86
15	BUFFALO	264.728	.06	6.736.925	1.53	7.001.653	.79
16	MARQUETTE	3.746.750	.85	2.448.574	.55	6.195.324	.70
17	MUSKEGON	1.508.412	.34	4.670.665	1.06	6.179.077	.70
18	BURNS HARBOR	118.287	.03	6.041.512	1.37	6.159.799	.70
19	LORAIN	0	.00	4.448.108	1.01	4.448.108	.50
20	SAGINAW-BAY CITY	1.466.858	.33	2.940.215	.67	4.407.073	.50
21	SANDUSKY	3.908.628	.89	196.146	.04	4.104.774	.46
22	PORT HURON	2.857	.00	3.992.148	.90	3.995.005	.45
23	SAULT STE. MARIE	3.769.925	.85	158.562	.04	3.928 487	.44
24	MILWAUKEE	124.590	.03	3.226.321	.73	3.350.911	.38
25	HURON	0	.00	3.277.916	.74	3.277 916	.37
26	GREEN BAY	0	.00	2.644.400	.60	2.644.400	.30
27	MANITOWOC	1.489.210	.34	1.047.258	.24	2.536.468	.29
28	TRAVERSE CITY	1.046.662	.24	696.832	.16	1.743.494	.20
29	FAIRPORT	239.512	.05	1.489.652	.34	1.729.164	.20
30	DE TOUR VILLAGE	1.443.599	.33	2.249	.00	1.445.848	.16
31	FERRYSBURG	201.090	.05	688.755	.16	889.845	.10
32	BENTON HARBOR	18.556	.00	413.326	.09	431.882	.05
33	HOLLAND	0	.00	417.120	.09	417.120	.05
34	ERIE	0	.00	402.921	.09	402.921	.05
35	ASHLAND	7.823	.00	327.118	.07	334.941	.04
36	SHEBOYGAN	41.950	.01	219.513	.05	261.463	.03
37	CHEBOYGAN	0	.00	162.312	.04	162.312	.02
38	MACKINAC ISLAND	15.915	.00	116.326	.03	132.241	.01
39	OGDENSBURG	20.909	.00	102.111	.02	123.020	.01
40	MARINETTE	0	.00	77.592	.02	77.592	.01
41	GRAND HAVEN	0	.00	60.675	.01	60.675	.01
42	OSWEGO	10.050	.00	42.829	.01	52.879	.01
43	RACINE	0	.00	41.259	.01	41.259	.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

REPORT YEAR 1979
U.S. GREAT LAKES WATERBORNE COMMERCE
PORT TONNAGE SHIPPED/RECEIVED BY ALL TYPE VESSELS
(SHORT TONS)

RANKING	PORT	TONNAGE SHIPPED	PERCENT SHIPPED	TONNAGE RECEIVED	PERCENT RECEIVED	TOTAL PORT TONNAGE	TOTAL PORT PERCENT
44	MASSENA	0	.00	32.070	.01	32.070	.00
45	STURGEON BAY	3.942	.00	3.942	.00	7.884	.00
46	GRAND PORTAGE	74	.00	624	.00	698	.00
	* TOTAL FOR ALL PORTS	143.563.644	50.00	143.563.644	50.00	287.127.288	100.00

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NOTE: PERCENT COLUMN TOTALS MAY NOT EQUAL 100 PERCENT BECAUSE OF STATISTICAL ROUNDING

PART FOUR

INLAND WATERWAYS TRADE

COMMERCIALLY NAVIGABLE WATERWAYS OF THE UNITED STATES BY LENGTHS AND DEPTHS[1]

Group	Lengths in Miles of Waterways					
	Under 6 ft.	6 to 9 ft.	9 to 12 ft.	12 to 14 ft.	14 ft. & Over	Total
Atlantic Coast Waterways	1,426	1,241	584	938	1,581	5,770
Atlantic Intracoastal Waterway-Norfolk, VA, to Key West, FL	—	65	65	1,104	--	1,234
Gulf Coast Waterways	2,055	647	1,133	79	378	4,292
Gulf Intracoastal Waterway-St. Marks, FL, to the Mexican Bordern	—	--	--	1,137	--	1,137
Mississippi River System	2,020	969	4,957	740	268	8,954
Pacific Coast Waterways	730	498	237	26	2,084	3,575
Great Lakes	45	89	—	8	348	490
All Other Waterways	76	7	—	1	7	91
GRAND TOTAL	6,352	3,516	6,976	4,033	4,666	25,543

[1] The mileages in this table represent the lengths of all navigable channels of the United States, including those improved by the federal government, other agencies, and those which have not been improved but are usable for commercial navigation.

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U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN DRY VESSELS FOR 1975*

SHORT TONS

SHIPPING	RECEIVING									
	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	15,132,124	15,132,014	---	---	---	---	---	---	---	110
ATLANTIC I.W.	17,374,470	---	17,374,470	---	---	---	---	---	---	---
GULF I.W.	45,450,870	---	---	36,657,169	4,194,129	1,693,476	2,184,848	---	---	721,248
LOWER MISS.	36,113,264	---	---	2,591,379	24,055,508	3,811,908	4,119,369	---	---	1,535,100
UPPER MISS.	62,112,394	---	---	1,758,245	30,709,459	17,648,056	3,424,951	---	---	8,571,683
OHIO & TRIB.	115,734,430	---	---	3,901,106	21,706,221	1,730,857	88,128,843	---	---	267,403
CALIFORNIA	2,677,349	---	---	---	---	---	---	2,677,349	---	---
PACIFIC N.W.	30,563,231	---	---	---	---	---	---	---	30,563,231	---
GREAT LAKES	2,652,698	---	---	494,756	1,421,656	661,318	74,968	---	---	---
TOTAL DRY	327,810,830	15,132,014	17,374,470	45,402,655	82,086,973	25,545,615	97,932,979	2,677,349	30,563,231	11,095,544

* Includes government materials transported for waterways improvements. Does not include cargo carried by towboats nor cargo carried in noncontiguous areas.

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN TANK VESSELS FOR 1975[a]

SHORT TONS

SHIPPING	RECEIVING									
	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	57,964,878	57,878,033	---	---	---	---	---	---	---	86,845
ATLANTIC I.W.	44,725,414	3,844	44,725,414	---	---	---	---	---	---	---
GULF I.W.	70,694,106	---	---	43, 197,554	20,182,745	1,825,581	3,587,449	---	---	1,900,777
LOWER MISS.	39,423,685	---	---	6,142,351	22.808,739	2,586,844	6,101,175	---	---	1,784,576
UPPER MISS.	11,185,917	---	---	157,645	1,270,744	5,828,674	1,857,104	---	---	2,071,750
OHIO & TRIB.	14,214,888	---	---	246,855	1,045,680	694,548	12,021,205	---	---	206,600
CALIFORNIA	7,074,040	---	---	---	---	---	---	7,074,040	---	---
PACIFIC N.W.	6,291,358	---	---	---	---	---	---	---	6,291,358	---
GREAT LAKES	3,283,420	47,676	---	150,662	392,251	2,382,140	310,691	---	---	---
TOTAL TANK	254,861,550	57,929,553	44,725,414	49,895,067	45,700,159	13,317,787	23,877,624	7,074,040	6,291,358	6,050,548

[a] Includes government materials transported for waterways improvements. Does not include cargo carried by towboats nor cargo carried in noncontiguous areas.

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN TANK VESSELS FOR 1975 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
SELF-PROPELLED	21,002,033	9,314,816	3,664,278	3,314,199	265,188	1,164	1,333	2,580,588	335,098	1,525,369
DRY	8,240,625	335,327	2,122,575	3,183,610	16,825	---	---	988,891	143,031	1,450,366
TANK	12,761,408	8,979,489	1,541,703	130,589	248,363	1,164	1,333	1,591,697	192,067	75,003
NON-SELF-PROPELLED	561,666,503	63,742,907	58,435,606	91,983,523	127,521,944	38,862,238	121,809,270	7,170,801	36,519,491	15,620,723
DRY	320,164,677	14,796,687	15,251,895	42,219,045	82,070,148	25,545,615	97,932,979	1,688,458	30,420,200	10,239,650
TANK	241,501,826	48,946,220	43,183,711	49,764,478	45,451,796	13,316,623	23,876,291	5,482,343	6,099,291	5,381,073
GRAND TOTAL	582,668,536	73,057,723	62,099,884	95,297,722	127,787,132	38,863,402	121,810,603	9,751,389	36,854,589	17,146,092

* Includes government materials transported for waterways improvements. Does not include cargo carried by towboats nor cargo carried in noncontiguous areas.

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
NORTH EASTERN TOTAL	73,097,002	15,132,124	57,964,878	73,057,723	15,132,014	57,925,709
Farm Products	210,298	210,298	---	210,298	210,298	---
Marine Products	260,646	260,646	---	260,646	260,646	---
Coal	241,927	241,927	---	241,927	241,927	---
Crude Petroleum	1,026,642	---	1,026,642	1,026,642	---	1,026,642
Non-Metallic Min. Ex. Fuels	10,009,547	9,848,009	161,538	10,009,547	9,848,009	161,538
Chemicals & Allied Products	136,227	---	136,227	171,130	---	171,130
Petroleum & Coal Products	49,160,014	115,555	49,044,459	49,117,221	115,555	49,001,666
Other	12,051,701	4,455,689	7,596,012	120,020,312	4,455,579	7,564,733
NORTH EASTERN - NORTH EASTERN	73,010,047	15,132,014	57,878,033	73,010,047	15,132,014	57,878,033
Farm Products	210,298	210,298	---	210,298	210,298	---
Marine Products	260,646	260,646	---	260,646	260,646	---
Coal	241,927	241,927	---	241,927	241,927	---
Crude Petroleum	1,026,642	---	1,026,642	1,026,642	---	1,026,642
Non-Metallic Min. Ex. Fuels	10,009,547	9,848,009	161,538	10,009,547	9,848,009	161,538
Chemicals & Allied Products	136,227	---	136,227	136,227	---	136,227
Petroleum & Coal Products	49,109,743	115,555	48,994,188	49,109,743	115,555	48,994,188
Other	12,015,017	4,455,579	7,559,438	12,015,017	4,455,579	7,559,438
NORTH EASTERN - GREAT LAKES	86,955	110	86,845	47,676	---	47,676
Farm Products	---	---	---	---	---	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	---	---	---
Crude Petroleum	---	---	---	---	---	---
Non-Metallic Min. Ex. Fuels	---	---	---	---	---	---
Chemicals & Allied Products	---	---	---	34,903	---	34,903
Petroleum & Coal Products	50,271	---	50,271	7,478	---	7,478
Other	36,684	110	36,574	5,295	---	5,295

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS TOTAL	62,099,884	17,374,470	44,725,414	62,099,884	17,374,470	44,725,414
Farm Products	386,838	386,838	---	386,838	386,838	---
Marine Products	1,908,836	1,908,825	11	1,908,836	1,908,825	11
Coal	5,854,026	5,854,026	---	5,854,026	5,854,026	---
Crude Petroleum	10,370,291	---	10,370,291	10,370,291	---	10,370,291
Non-Metallic Min. Ex. Fuels	5,958,872	5,944,172	14,700	5,958,872	5,944,172	14,700
Chemicals & Allied Products	1,707,124	209,196	1,497,928	1,707,124	209,196	1,497,928
Petroleum & Coal Products	32,148,683	93,453	32,055,230	32,148,683	93,453	32,055,230
Other	3,765,214	2,977,960	787,254	3,765,214	2,977,960	787,254
ATLANTIC INLAND WATERWAYS - ATLANTIC I.W.	62,099,884	17,374,470	44,725,414	62,099,884	17,374,470	44,725,414
Farm Products	386,838	386,838	---	386,838	386,838	---
Marine Products	1,908,836	1,908,825	11	1,908,836	1,908,825	11
Coal	5,854,026	5,854,026	---	5,854,026	5,854,026	---
Crude Petroleum	10,370,291	---	10,370,291	10,370,291	---	10,370,291
Non-Metallic Min. Ex. Fuels	5,958,872	5,944,172	14,700	5,958,872	5,944,172	14,700
Chemicals & Allied Products	1,707,124	209,196	1,497,928	1,707,124	209,196	1,497,928
Petroleum & Coal Products	32,148,683	93,453	32,055,230	32,148,683	93,453	32,055,230
Other	3,765,214	2,977,960	787,254	3,765,214	2,977,960	787,254

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS TOTAL	116,144,976	45,450,870	70,694,106	95,297,722	45,402,655	49,895,067
Farm Products	833,786	833,786	---	2,481,171	2,480,021	1,150
Marine Products	15,050,926	14,767,872	283,054	13,488,460	13,224,328	264,132
Coal	5,903,968	5,903,968	---	9,643,342	9,643,342	---
Crude Petroleum	28,306,520	10,582	28,295,938	20,473,537	47	20,473,490
Non-Metallic Min. Ex. Fuels	16,101,158	12,520,153	3,581,005	10,206,596	8,240,412	1,966,184
Chemicals & Allied Products	12,536,375	1,680,194	10,856,181	8,395,586	474,638	7,920,948
Petroleum & Coal Products	27,043,851	708,555	26,335,296	18,691,066	622,323	18,068,743
Other	10,368,392	9,025,760	1,342,632	11,917,964	10,717,544	1,200,420
GULF INLAND WATERWAYS - GULF I. W.	79,854,723	36,657,169	43,197,554	79,854,723	36,657,169	43,197,554
Farm Products	602,741	602,741	---	602,741	602,741	---
Marine Products	13,487,205	13,223,203	264,002	13,487,205	13,223,203	264,002
Coal	5,903,248	5,903,248	---	5,903,248	5,903,248	---
Crude Petroleum	19,285,285	47	19,285,238	19,285,285	47	19,285,238
Non-Metallic Min. Ex. Fuels	10,078,493	8,143,984	1,934,509	10,078,493	8,143,984	1,934,509
Chemicals & Allied Products	6,316,341	285,314	6,031,027	6,316,341	285,314	6,031,027
Petroleum & Coal Products	14,936,022	368,938	14,567,084	14,936,022	368,938	14,567,084
Other	9,245,388	8,129,694	1,115,694	9,245,388	8,129,694	1,115,694
GULF INLAND WATERWAYS - LOWER MISS.	24,376,874	4,194,129	20,182,745	8,733,730	2,591,379	6,142,351
Farm Products	226,667	226,667	---	363,123	361,973	1,150
Marine Products	1,555,189	1,536,137	19,052	1,255	1,125	130
Coal	720	720	---	840,497	840,497	---
Crude Petroleum	8,822,290	10,535	8,811,755	1,188,252	---	1,188,252
Non-Metallic Min. Ex. Fuels	2,662,034	1,069,526	1,592,508	126,706	95,031	31,675
Chemicals & Allied Products	2,328,515	465,877	1,862,638	1,723,777	181,967	1,541,810
Petroleum & Coal Products	7,991,705	293,069	7,698,636	3,315,704	4,860	3,310,844
Other	789,754	591,598	198,156	1,174,416	1,105,926	68,490

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS - UPPER MISS.	3,519,057	1,693,476	1,825,581	1,915,890	1,758,245	157,645
Farm Products	2,805	2,805	---	1,181,573	1,181,573	---
Marine Products	8,532	8,532	---	---	---	---
Coal	---	---	---	2,621	2,621	---
Crude Petroleum	96,302	---	96,302	---	---	---
Non-Metallic Min. Ex. Fuels	1,372,029	1,362,796	9,233	---	---	---
Chemicals & Allied Products	1,107,713	251,685	856,028	23,712	5,386	18,326
Petroleum & Coal Products	841,365	---	841,365	361,354	225,933	135,421
Other	90,311	67,658	22,653	346,630	342,732	3,898
GULF INLAND WATERWAYS - OHIO & TRIB.	5,772,297	2,184,848	3,587,449	4,147,961	3,901,106	246,855
Farm Products	1,573	1,573	---	186,793	186,793	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	2,896,976	2,896,976	---
Crude Petroleum	102,643	---	102,643	---	---	---
Non-Metallic Min. Ex. Fuels	1,332,715	1,287,960	44,755	1,397	1,397	---
Chemicals & Allied Products	2,088,639	672,770	1,415,869	235,612	1,600	234,012
Petroleum & Coal Products	2,069,380	45,198	2,024,182	33,029	22,592	10,437
Other	177,347	177,347	---	794,154	791,748	2,406
GULF INLAND WATERWAYS - GREAT LAKES	2,622,025	721,248	1,900,777	645,418	494,756	150,662
Farm Products	---	---	---	146,941	146,941	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	---	---	---
Crude Petroleum	---	---	---	---	---	---
Non-Metallic Min. Ex. Fuels	655,887	655,887	---	---	---	---
Chemicals & Allied Products	695,167	4,548	690,619	96,144	371	95,773
Petroleum & Coal Products	1,205,379	1,350	1,204,029	44,957	---	44,957
Other	65,592	59,463	6,129	357,376	347,444	9,932

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI TOTAL	75,536,949	36,113,264	39,423,685	127,787,132	82,086,973	45,700,159
Farm Products	4,153,325	4,152,175	1,150	32,634,414	32,626,383	8,031
Marine Products	1,349	1,219	130	1,555,283	1,536,231	19,052
Coal	4,810,595	4,810,595	---	21,819,577	21,819,577	---
Crude Petroleum	10,038,124	94,850	9,943,274	17,365,956	105,385	17,260,571
Non-Metallic Min. Ex. Fuels	10,059,710	8,910,067	1,149,643	12,303,701	9,814,179	2,489,522
Chemicals & Allied Products	11,114,103	3,392,026	7,722,077	6,561,878	1,453,830	5,108,048
Petroleum & Coal Products	20,173,916	474,621	19,699,295	20,686,351	605,185	20,081,166
Other	15,185,827	14,277,711	908,116	14,859,972	14,126,203	733,769
LOWER MISSISSIPPI - GULF I. W.	8,733,730	2,591,379	6,142,351	24,376,874	4,194,129	20,182,745
Farm Products	363,123	361,973	1,150	226,667	226,667	---
Marine Products	1,255	1,255	130	1,555,189	1,536,137	19,052
Coal	840,497	840,497	---	720	720	---
Crude Petroleum	1,188,252	---	1,188,252	8,822,290	10,535	8,811,755
Non-Metallic Min. Ex. Fuels	126,706	95,031	31,675	2,662,034	1,069,526	1,592,508
Chemicals & Allied Products	1,723,777	181,967	1,541,810	2,328,515	465,877	1,862,638
Petroleum & Coal Products	3,315,704	4,860	3,310,844	7,991,705	293,069	7,698,636
Other	1,174,416	1,105,926	68,490	789,754	591,598	198,156
LOWER MISSISSIPPI - LOWER MISS.	46,864,247	24,055,508	22,808,739	46,864,247	24,055,508	22,808,739
Farm Products	3,726,533	3,726,533	---	3,726,533	3,726,533	---
Marine Products	94	94	---	94	94	---
Coal	3,278,984	3,278,984	---	3,278,984	3,278,984	---
Crude Petroleum	8,517,042	94,850	8,422,192	8,517,042	94,850	8,422,192
Non-Metallic Min. Ex. Fuels	8,335,690	7,444,112	891,578	8,335,690	7,444,112	891,578
Chemicals & Allied Products	3,843,037	899,284	2,943,753	3,843,037	899,284	2,943,753
Petroleum & Coal Products	10,389,418	144,470	10,244,948	10,389,418	144,470	10,244,948
Other	8,773,449	8,467,181	306,268	8,773,449	8,467,181	306,268

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI - UPPER MISS.	23,476,730	17,648,056	5,828,674	23,476,730	17,648,056	5,828,674
Farm Products	427,873	427,873	---	427,873	427,873	---
Marine Products	---	---	---	---	---	---
Coal	9,182,841	9,181,421	1,420	9,182,841	9,181,421	1,420
Crude Petroleum	32,760	---	32,760	32,760	---	32,760
Non-Metallic Min. Ex. Fuels	5,553,015	5,538,833	14,182	5,553,015	5,538,833	14,182
Chemicals & Allied Products	496,694	40,221	456,473	496,694	40,221	456,473
Petroleum & Coal Products	5,378,758	135,769	5,242,989	5,378,758	135,769	5,242,989
Other	2,404,789	2,323,939	80,850	2,404,789	2,323,939	80,850
UPPER MISSISSIPPI - OHIO & TRIB.	5,282,055	3,424,951	1,857,104	2,425,405	1,730,857	694,548
Farm Products	146,830	146,830	---	22,424	22,424	---
Marine Products	---	---	---	---	---	---
Coal	2,607,574	2,607,574	---	1,492,508	1,492,508	---
Crude Petroleum	---	---	---	66,232	---	66,232
Non-Metallic Min. Ex. Fuels	96,637	96,637	---	---	---	---
Chemicals & Allied Products	45,248	21,357	23,891	134,398	5,215	129,183
Petroleum & Coal Products	1,819,134	13,749	1,805,385	499,133	---	499,133
Other	566,632	538,804	27,828	210,710	210,710	---
UPPER MISSISSIPPI - GREAT LAKES	10,643,433	8,571,683	2,071,750	3,043,458	661,318	2,382,140
Farm Products	225,411	225,411	---	5,477	5,477	---
Marine Products	---	---	---	---	---	---
Coal	5,181,143	5,179,475	1,668	---	---	---
Crude Petroleum	---	---	---	4,456	---	4,456
Non-Metallic Min. Ex. Fuels	2,098,575	2,098,575	---	371,585	371,585	---
Chemicals & Allied Products	90,776	1,239	89,537	25,611	---	25,611
Petroleum & Coal Products	659,370	325,951	333,419	312,657	---	312,657
Other	2,388,158	741,032	1,647,126	2,323,672	284,256	2,039,416

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI TOTAL	73,298,311	62,112,394	11,185,917	38,863,402	25,545,615	13,317,787
Farm Products	27,647,216	27,644,631	2,585	506,100	506,100	---
Marine Products	---	---	---	8,532	8,532	---
Coal	18,719,211	18,716,123	3,088	11,107,166	11,105,746	1,420
Crude Petroleum	51,292	---	51,292	199,750	---	199,750
Non-Metallic Min. Ex. Fuels	7,753,663	7,734,045	19,618	8,659,101	8,533,702	125,399
Chemicals & Allied Products	787,744	101,890	685,854	4,715,946	1,735,970	2,979,976
Petroleum & Coal Products	9,253,338	756,054	8,497,284	7,722,665	231,387	7,491,278
Other	9,085,847	7,159,651	1,926,196	5,944,142	3,424,178	2,519,964
UPPER MISSISSIPPI - GULF I. W.	1,915,890	1,758,245	157,645	3,519,057	1,693,476	1,825,581
Farm Products	1,181,573	1,181,573	---	2,805	2,805	---
Marine Products	---	---	---	8,532	8,532	---
Coal	2,621	2,621	---	---	---	---
Crude Petroleum	---	---	---	96,302	---	96,302
Non-Metallic Min. Ex. Fuels	---	---	---	1,372,029	1,362,796	9,233
Chemicals & Allied Products	23,712	5,386	18,326	1,107,713	251,685	856,028
Petroleum & Coal Products	361,354	225,933	135,421	841,365	---	841,365
Other	346,630	342,732	3,898	90,311	67,658	22,653
UPPER MISSISSIPPI - LOWER MISS.	31,980,203	30,709,459	1,270,744	6,398,752	3,811,908	2,586,844
Farm Products	25,665,529	25,662,944	2,585	47,521	47,521	---
Marine Products	---	---	---	---	---	---
Coal	1,745,032	1,745,032	---	431,817	431,817	---
Crude Petroleum	18,532	---	18,532	---	---	---
Non-Metallic Min. Ex. Fuels	5,436	---	5,436	1,362,472	1,260,488	101,984
Chemicals & Allied Products	131,314	33,687	97,627	2,951,530	1,438,849	1,512,681
Petroleum & Coal Products	1,034,722	54,652	980,070	690,752	95,618	595,134
Other	3,379,638	3,213,144	166,494	914,660	537,615	377,045

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI - UPPER MISS.	23,476,730	17,648,056	5,828,674	23,476,730	17,648,056	5,828,674
Farm Products	427,873	427,873	---	427,873	427,873	---
Marine Products	---	---	---	---	---	---
Coal	9,182,841	9,181,421	1,420	9,182,841	9,181,421	1,420
Crude Petroleum	32,760	---	32,760	32,760	---	32,760
Non-Metallic Min. Ex. Fuels	5,553,015	5,538,833	14,182	5,553,015	5,538,833	14,182
Chemicals & Allied Products	496,694	40,221	456,473	496,694	40,221	456,473
Petroleum & Coal Products	5,378,758	135,769	5,242,989	5,378,758	135,769	5,242,989
Other	2,404,789	2,323,939	80,850	2,404,789	2,323,939	80,850
UPPER MISSISSIPPI - OHIO & TRIB.	5,282,055	3,424,951	1,857,104	2,425,405	1,730,857	694,548
Farm Products	146,830	146,830	---	22,424	22,424	---
Marine Products	---	---	---	---	---	---
Coal	2,607,574	2,607,574	---	1,492,508	1,492,508	---
Crude Petroleum	---	---	---	66,232	---	66,232
Non-Metallic Min. Ex. Fuels	96,637	96,637	---	---	---	---
Chemicals & Allied Products	45,248	21,357	23,891	134,398	5,215	129,183
Petroleum & Coal Products	1,819,134	13,749	1,805,385	499,133	---	499,133
Other	566,632	538,804	27,828	210,710	210,710	---
UPPER MISSISSIPPI - GREAT LAKES	10,643,433	8,571,683	2,071,750	3,043,458	661,318	2,382,140
Farm Products	225,411	225,411	---	5,477	5,477	---
Marine Products	---	---	---	---	---	---
Coal	5,181,143	5,179,475	1,668	---	---	---
Crude Petroleum	---	---	---	4,456	---	4,456
Non-Metallic Min. Ex. Fuels	2,098,575	2,098,575	---	371,585	371,585	---
Chemicals & Allied Products	90,776	1,239	89,537	25,611	---	25,611
Petroleum & Coal Products	659,370	325,951	333,419	312,657	---	312,657
Other	2,388,158	741,032	1,647,126	2,323,672	284,256	2,039,416

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIB. TOTAL	129,949,318	115,734,430	14,214,888	121,810,603	97,932,979	23,877,624
Farm Products	2,654,195	2,647,246	6,949	188,473	186,970	1,503
Marine Products	---	---	---	---	---	---
Coal	92,036,692	92,028,842	7,850	73,565,284	73,557,434	7,850
Crude Petroleum	395,123	---	395,123	794,020	---	794,020
Non-Metallic Min. Ex. Fuels	16,491,900	16,490,724	1,176	16,828,609	16,658,272	170,337
Chemicals & Allied Products	3,269,719	121,017	3,148,702	6,763,133	1,586,767	5,176,366
Petroleum & Coal Products	10,850,763	258,484	10,592,279	17,863,626	281,144	17,582,482
Other	4,250,926	4,188,117	62,809	5,807,458	5,662,392	145,066
OHIO & TRIB. - GULF I. W.	4,147,961	3,901,106	246,855	5,772,297	2,184,848	3,587,449
Farm Products	186,793	186,793	---	1,573	1,573	---
Marine Products	---	---	---	---	---	---
Coal	2,896,976	2,896,976	---	---	---	---
Crude Petroleum	---	---	---	102,643	---	102,643
Non-Metallic Min. Ex. Fuels	1,397	1,397	---	1,332,715	1,287,960	44,755
Chemicals & Allied Products	235,612	1,600	234,012	2,088,639	672,770	1,415,869
Petroleum & Coal Products	33,029	22,592	10,437	2,069,380	45,198	2,024,182
Other	794,154	791,748	2,406	177,347	177,347	---
OHIO & TRIB. - LOWER MISS.	22,751,901	21,706,221	1,045,680	10,220,544	4,119,369	6,101,175
Farm Products	2,388,565	2,383,119	5,446	2,758	2,758	---
Marine Products	---	---	---	---	---	---
Coal	16,794,841	16,794,841	---	127,568	127,568	---
Crude Petroleum	4,792	---	4,792	332,830	---	332,830
Non-Metallic Min. Ex. Fuels	1,299,491	1,299,491	---	225,146	100,740	124,406
Chemicals & Allied Products	200,846	51,736	149,110	1,947,552	833,497	1,114,055
Petroleum & Coal Products	949,971	90,980	858,991	4,482,459	36,751	4,445,708
Other	1,113,395	1,086,054	27,341	3,102,231	3,018,055	84,176

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIB. - UPPER MISS.	2,425,405	1,730,857	694,548	5,282,055	3,424,951	1,857,104
Farm Products	22,424	22,424	---	146,830	146,830	---
Marine Products	---	---	---	---	---	---
Coal	1,492,508	1,492,508	---	2,607,574	2,607,574	---
Crude Petroleum	66,232	---	66,232	---	---	---
Non-Metallic Min. Ex. Fuels	---	---	---	96,637	96,637	---
Chemicals & Allied Products	134,398	5,215	129,183	45,248	21,357	23,891
Petroleum & Coal Products	499,133	---	499,133	1,819,134	13,749	1,805,385
Other	210,710	210,710	---	566,632	538,804	27,828
OHIO & TRIB. - OHIO & TRIB.	100,150,048	88,128,843	12,021,205	100,150,048	88,128,843	12,021,205
Farm Products	34,512	33,009	1,503	34,512	33,009	1,503
Marine Products	---	---	---	---	---	---
Coal	70,830,142	70,822,292	7,850	70,830,142	70,822,292	7,850
Crude Petroleum	324,099	---	324,099	324,099	---	324,099
Non-Metallic Min. Ex. Fuels	15,174,111	15,172,935	1,176	15,174,111	15,172,935	1,176
Chemicals & Allied Products	2,574,752	59,143	2,515,609	2,574,752	59,143	2,515,609
Petroleum & Coal Products	9,282,818	144,912	9,137,906	9,282,818	144,912	9,137,906
Other	1,929,614	1,896,552	33,062	1,929,614	1,896,552	33,062
OHIO & TRIB. - GREAT LAKES	474,003	267,403	206,600	385,659	74,968	310,691
Farm Products	21,901	21,901	---	2,800	2,800	---
Marine Products	---	---	---	---	---	---
Coal	22,225	22,225	---	---	---	---
Crude Petroleum	---	---	---	34,448	---	34,448
Non-Metallic Min. Ex. Fuels	16,901	16,901	---	---	---	---
Chemicals & Allied Products	124,111	3,323	120,788	106,942	---	106,942
Petroleum & Coal Products	85,812	---	85,812	209,835	40,534	169,301
Other	203,053	203,053	---	31,634	31,634	---

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
CALIFORNIA TOTAL	9,751,389	2,677,349	7,074,040	9,751,389	2,677,349	7,074,040
Farm Products	125,521	125,521	---	125,521	125,521	---
Marine Products	535,749	535,749	---	535,749	535,749	---
Coal	---	---	---	---	---	---
Crude Petroleum	1,603,419	---	1,603,419	1,603,419	---	1,603,419
Non-Metallic Min. Ex. Fuels	902,674	902,674	---	902,674	902,674	---
Chemicals & Allied Products	36,450	62	36,388	36,450	62	36,388
Petroleum & Coal Products	5,251,437	---	5,251,437	5,251,437	---	5,251,437
Other	1,296,139	1,113,343	182,796	1,296,139	1,113,343	182,796
CALIFORNIA - CALIFORNIA	9,751,389	2,677,349	7,074,040	9,751,389	2,677,349	7,074,040
Farm Products	125,521	125,521	---	125,521	125,521	---
Marine Products	535,749	535,749	---	535,749	535,749	---
Coal	---	---	---	---	---	---
Crude Petroleum	1,603,419	---	1,603,419	1, 603,419	---	1,603,419
Non-Metallic Min. Ex. Fuels	902,674	902,674	---	902,674	902,674	---
Chemicals & Allied Products	36,450	62	36,388	36,450	62	36,388
Petroleum & Coal Products	5,251,437	---	5,251,437	5,251,437	---	5,251,437
Other	1,296,139	1,113,343	182,796	1,296,139	1,113,343	182,796

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
PACIFIC NORTHWEST TOTAL	36,854,589	30,563,231	6,291,358	36,854,589	30,563,231	6,291,358
Farm Products	2,754,644	1,754,396	1,000,248	2,754,644	1,754,396	1,000,248
Marine Products	116,262	116,262	---	116,262	116,262	---
Coal	---	---	---	---	---	---
Crude Petroleum	13,575	---	13,575	13,575	---	13,575
Non-Metallic Min. Ex. Fuels	7,101,847	7,029,160	72,687	7,101,847	7,029,160	72,687
Chemicals & Allied Products	593,269	30,166	563,103	593,269	30,166	563,103
Petroleum & Coal Products	4,507,135	7,328	4,499,807	4,507,135	7,328	4,499,807
Other	21,767,857	21,625,919	141,938	21,767,857	21,625,919	141,938
PACIFIC NORTHWEST - PACIFIC NORTHWEST	36,854,589	30,563,231	6,291,358	36,854,589	30,563,231	6,291,358
Farm Products	2,754,644	1,754,396	1,000,248	2,754,644	1,754,396	1,000,248
Marine Products	116,262	116,262	---	116,262	116,262	---
Coal	---	---	---	---	---	---
Crude Petroleum	13,575	---	13,575	13,575	---	13,575
Non-Metallic Min. Ex. Fuels	7,101,847	7,029,160	72,687	7,101,847	7,029,160	72,687
Chemicals & Allied Products	593,269	30,166	563,103	593,269	30,166	563,103
Petroleum & Coal Products	4,507,135	7,328	4,499,807	4,507,135	7,328	4,499,807
Other	21,767,857	21,625,919	141,938	21,767,857	21,625,919	141,938

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1975

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES TOTAL	5,936,118	2,652,698	3,283,420	17,146,092	11,095,544	6,050,548
Farm Products	782,338	782,338	---	260,702	260,702	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	5,335,097	5,333,429	1,668
Crude Petroleum	42,204	---	42,204	---	---	---
Non-Metallic Min. Ex. Fuels	372,635	372,635	---	2,781,059	2,781,059	---
Chemicals & Allied Products	321,766	3,617	318,149	1,558,261	47,539	1,510,722
Petroleum & Coal Products	895,462	62,548	832,914	3,296,415	520,223	2,776,192
Other	3,521,713	1,431,560	2,090,153	3,914,558	2,152,592	1,761,966
GREAT LAKES - NORTHEASTERN	47,676	---	47,676	86,955	110	86,845
Farm Products	---	---	---	---	---	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	---	---	---
Crude Petroleum	---	---	---	---	---	---
Non-Metallic Min. Ex. Fuels	---	---	---	---	---	---
Chemicals & Allied Products	34,903	---	34,903	---	---	---
Petroleum & Coal Products	7,478	---	7,478	50,271	---	50,271
Other	5,295	---	5,295	36,684	110	36,574
GREAT LAKES - GULF INLAND WATERWAYS	645,418	494,756	150,662	2,622,025	721,248	1,900,777
Farm Products	146,941	146,941	---	---	---	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	---	---	---
Crude Petroleum	---	---	---	---	---	---
Non-Metallic Min. Ex. Fuels	---	---	---	655,887	655,887	---
Chemicals & Allied Products	96,144	371	95,773	695,167	4,548	690,619
Petroleum & Coal Products	44,957	---	44,957	1,205,379	1,350	1,204,029
Other	357,376	347,444	9,932	65,592	59,463	6,129

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(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES - LOWER MISSISSIPPI	1,813,907	1,421,656	392,251	3,319,676	1,535,100	1,784,576
Farm Products	627,120	627,120	--	13,390	13,390	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	131,729	131,729	---
Crude Petroleum	3,300	---	3,300	---	---	---
Non-Metallic Min. Ex. Fuels	1,050	1,050	---	9,696	9,696	---
Chemicals & Allied Products	58,166	3,246	54,920	648,207	38,429	609,778
Petroleum & Coal Products	320,535	22,014	298,521	1,295,583	192,922	1,102,661
Other	803,736	768,226	35,510	1,221,071	1,148,934	72,137
GREAT LAKES - UPPER MISSISSIPPI	3,043,458	661,318	2,382,140	10,643,433	8,571,683	2,071,750
Farm Products	5,477	5,477	---	225,411	225,411	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	5,181,143	5,179,475	1,668
Crude Petroleum	4,456	---	4,456	---	---	---
Non-Metallic Min. Ex. Fuels	371,585	371,585	---	2,098,575	2,098,575	---
Chemicals & Allied Products	25,611	---	25,611	90,776	1,239	89,537
Petroleum & Coal Products	312,657	---	312,657	659,370	325,951	333,419
Other	2,323,672	284,256	2,039,416	2,388,158	741,032	1,647,126
GREAT LAKES - OHIO & TRIB.	385,659	74,968	310,691	474,003	267,403	206,600
Farm Products	2,800	2,800	---	21,901	21,901	---
Marine Products	---	---	---	---	---	---
Coal	---	---	---	22,225	22,225	---
Crude Petroleum	34,448	---	34,448	---	---	---
Non-Metallic Min. Ex. Fuels	---	---	---	16,901	16,901	---
Chemicals & Allied Products	106,942	---	106,942	124,111	3,323	120,788
Petroleum & Coal Products	209,835	40,534	169,301	85,812	---	85,812
Other	31,634	31,634	---	203,053	203,053	---

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY SHIPPING AREA AND TYPE OF VESSEL FOR 1976

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
SELF-PROPELLED	22,833,977	9,686,438	2,612,687	5,631,720	203,246	237	---	4,500,819	198,830	---
DRY	8,413,028	337,279	1,823,361	5,010,161	123,868	237	---	983,998	134,124	---
TANK	14,420,949	9,349,159	789,326	621,559	79,378	---	---	3,516,821	64,706	---
NON-SELF-PROPELLED	582,459,511	58,461,717	63,671,877	115,760,975	82,553,476	75,260,922	133,793,474	8,537,161	38,629,113	5,790,796
DRY	327,379,440	9,499,432	15,593,913	44,009,114	39,111,982	64,180,505	119,928,817	1,265,616	30,983,466	2,806,595
TANK	255,080,071	48,962,285	48,077,964	71,751,861	43,441,494	11,080,417	13,864,657	7,271,545	7,645,647	2,984,201
TOTAL SHIPPING	605,293,488	68,148,155	66,284,564	121,392,695	82,756,722	75,261,159	133,793,474	13,037,980	38,827,943	5,790,796

U.S. INLAND WATERWAYS COMMERCE BY RECEIVING AREA AND TYPE OF VESSEL FOR 1976

SHORT TONS

SELF-PROPELLED	22,833,977	9,686,438	2,612,687	5,556,135	278,831	237	---	4,500,819	198,830	---
DRY	8,413,028	337,279	1,823,361	5,016,803	117,226	237	---	983,998	134,124	---
TANK	14,420,949	9,349,159	789,326	539,332	161,605	---	---	3,516,821	64,706	---
NON-SELF-PROPELLED	582,459,511	58,372,315	63,671,877	94,380,665	139,065,321	38,405,703	127,152,540	8,537,161	38,629,113	14,244,816
DRY	327,379,440	9,499,432	15,593,913	43,331,185	89,075,577	24,191,280	103,447,211	1,265,616	30,983,466	9,991,760
TANK	255,080,071	48,872,883	48,077,964	51,049,480	49,989,744	14,214,423	23,705,329	7,271,545	7,645,647	4,253,056
TOTAL RECEIVING	605,293,488	68,058,753	66,284,564	99,936,800	139,344,152	38,405,940	127,152,540	13,037,980	38,827,943	14,244,816

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U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN TANK VESSELS FOR 1976

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	58,311,444	58,190,760	---	---	---	---	---	---	---	120,684
ATL. I.W.	48,867,290	---	48,867,290	---	---	---	---	---	---	---
GULF I.W.	72,373,420	---	---	43,410,869	21,064,741	2,191,277	4,041,849	---	---	1,664,684
LOWER MISS.	43,520,872	---	---	7,256,160	25,458,065	3,143,360	6,066,544	---	---	1,596,743
UPPER MISS.	11,080,417	---	---	486,745	2,042,645	5,964,697	2,002,255	---	---	584,075
OHIO & TRIB.	13,864,657	---	---	212,845	1,352,829	612,910	11,399,203	---	---	286,870
CALIFORNIA	10,788,366	---	---	---	---	---	---	10,788,366	---	---
PACIFIC N.W.	7,710,353	---	---	---	---	---	---	---	7,710,353	---
GREAT LAKES	2,984,201	31,282	---	222,193	233,069	2,302,179	195,478	---	---	---
TOTAL TANK VESSELS	269,501,020	58,222,042	48,867,290	51,588,812	50,151,349	14,214,423	23,705,329	10,788,366	7,710,353	4,253,056

U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN DRY VESSELS FOR 1976

N. EASTERN	9,836,711	9,836,711	---	---	---	---	---	---	---	---
ATL. I.W.	17,417,274	---	17,417,274	---	---	---	---	---	---	---
GULF I.W.	49,019,275	---	---	40,000,044	4,185,918	1,908,427	2,121,675	---	---	803,211
LOWER MISS.	39,235,850	---	---	2,268,292	27,923,900	3,397,432	4,264,746	---	---	1,381,480
UPPER MISS.	64,180,742	---	---	1,628,908	36,718,284	15,529,438	2,773,943	---	---	7,530,169
OHIO & TRIB.	119,928,817	---	---	4,136,532	18,783,638	2,527,678	94,204,069	---	---	276,900
CALIFORNIA	2,249,614	---	---	---	---	---	---	2,249,614	---	---
PACIFIC N.W.	31,117,590	---	---	---	---	---	---	---	31,117,590	---
GREAT LAKES	2,806,595	---	---	314,212	1,581,063	828,542	82,778	---	---	---
TOTAL DRY VESSELS	335,792,468	9,836,711	17,417,274	48,347,988	89,192,803	24,191,517	103,447,211	2,249,614	31,117,590	9,991,760

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
NORTH EASTERN TOTAL						
Farm Products	199,817	199,817	---	199,817	199,817	---
Marine Products	205,735	205,694	41	205,735	205,694	41
Crude Petroleum	2,071,660	---	2,071,660	2,071,660	---	2,071,660
Non-Metallic Min. Ex. Fuels	5,440,148	5,287,112	153,036	5,440,148	5,287,112	153,036
Chemicals & Allied Products	219,414	9,145	210,269	233,754	9,145	224,609
Petroleum & Coal Products	49,537,678	42,390	49,495,288	49,428,712	42,390	49,386,322
Other	10,473,703	4,092,553	6,381,150	10,478,927	4,092,553	6,386,374
Total	68,148,155	9,836,711	58,311,444	68,058,753	9,836,711	58,222,042
NORTH EASTERN - NORTH EASTERN						
Farm Products	199,817	199,817	---	199,817	199,817	---
Marine Products	205,735	205,694	41	205,735	205,694	41
Crude Petroleum	2,071,660	---	2,071,660	2,071,660	---	2,071,660
Non-Metallic Min. Ex. Fuels	5,440,148	5,287,112	153,036	5,440,148	5,287,112	153,036
Chemicals & Allied Products	219,414	9,145	210,269	219,414	9,145	210,269
Petroleum & Coal Products	49,426,028	42,390	49,383,638	49,426,028	42,390	49,383,638
Other	10,464,669	4,092,553	6,372,116	10,464,669	4,092,553	6,372,116
Total	68,027,471	9,836,711	58,190,760	68,027,471	9,836,711	58,190,760
NORTH EASTERN - GREAT LAKES						
Chemicals & Allied Products	---	---	---	14,340	---	14,340
Petroleum & Coal Products	111,650	---	111,650	2,684	---	2,684
Other	9,034	---	9,034	14,258	---	14,258
Total	120,684	---	120,684	31,282	---	31,282

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS TOTAL						
Farm Products	455,736	454,279	1,457	455,736	454,279	1,457
Marine Products	1,543,541	1,543,541	---	1,543,541	1,543,541	---
Coal	6,265,395	6,265,395	---	6,265,395	6,265,395	---
Crude Petroleum	10,002,055	---	10,002,055	10,002,055	---	10,002,055
Non-Metallic Min. Ex. Fuels	5,758,135	5,367,635	390,500	5,758,135	5,367,635	390,500
Chemicals & Allied Products	2,237,769	695,605	1,542,164	2,237,769	695,605	1,542,164
Petroleum & Coal Products	36,274,801	216,496	36,058,305	36,274,801	216,496	36,058,305
Other	3,747,132	2,874,323	872,809	3,747,132	2,874,323	872,809
Total	66,284,564	17,417,274	48,867,290	66,284,564	17,417,274	48,867,290
ATLANTIC I.W. - ATLANTIC I.W.						
Farm Products	455,736	454,279	1,457	455,736	454,279	1,457
Marine Products	1,543,541	1,543,541	---	1,543,541	1,543,541	---
Coal	6,265,395	6,265,395	---	6,265,395	6,265,395	---
Crude Petroleum	10,002,055	---	10,002,055	10,002,055	---	10,002,055
Non-Metallic Min. Ex. Fuels	5,758,135	5,367,635	390,500	5,758,135	5,367,635	390,500
Chemicals & Allied Products	2,237,769	695,605	1,542,164	2,237,769	695,605	1,542,164
Petroleum & Coal Products	36,274,801	216,496	36,058,305	36,274,801	216,496	36,058,305
Other	3,747,132	2,874,323	872,809	3,747,132	2,874,323	872,809
Total	66,284,564	17,417,274	48,867,290	66,284,564	17,417,274	48,867,290

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS TOTAL						
Farm Products	1,241,568	1,240,119	1,449	2,197,528	2,197,528	---
Marine Products	12,137,264	12,079,177	58,087	11,011,119	10,953,032	58,087
Coal	7,118,827	7,118,827	---	10,949,541	10,945,664	3,877
Crude Petroleum	27,690,700	6,981	27,683,719	20,346,688	11,695	20,334,993
Non-Metallic Min. Ex. Fuels	15,678,862	13,195,595	2,483,267	10,237,740	8,784,063	1,453,677
Chemicals & Allied Products	14,573,091	1,699,417	12,873,674	10,124,982	667,463	9,457,519
Petroleum & Coal Products	28,880,438	622,511	28,257,927	19,751,509	431,268	19,320,241
Other	14,071,945	13,056,648	1,015,297	15,317,693	14,357,275	960,418
Total	121,392,695	49,019,275	72,373,420	99,936,800	48,347,988	51,588,812
GULF INLAND WATERWAYS - GULF I.W.						
Farm Products	719,652	719,652	---	719,652	719,652	---
Marine Products	11,004,957	10,946,870	58,087	11,004,957	10,946,870	58,087
Coal	7,117,405	7,117,405	---	7,117,405	7,117,405	---
Crude Petroleum	18,873,041	6,981	18,866,060	18,873,041	6,981	18,866,060
Non-Metallic Min. Ex. Fuels	10,067,962	8,708,338	1,359,624	10,067,962	8,708,338	1,359,624
Chemicals & Allied Products	7,965,116	468,244	7,496,872	7,965,116	468,244	7,496,872
Petroleum & Coal Products	15,091,484	314,990	14,776,494	15,091,484	314,990	14,776,494
Other	12,571,296	11,717,564	853,732	12,571,296	11,717,564	853,732
Total	83,410,913	40,000,044	43,410,869	83,410,913	40,000,044	43,410,869

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS - LOWER MISS.						
Farm Products	476,397	474,948	1,449	302,223	302,223	---
Marine Products	1,119,188	1,119,188	---	6,162	6,162	---
Coal	---	---	---	437,579	437,579	---
Crude Petroleum	8,491,948	---	8,491,948	1,457,561	4,714	1,452,847
Non-Metallic Min. Ex. Fuels	2,165,964	1,065,670	1,100,294	169,778	75,725	94,053
Chemicals & Allied Products	2,476,633	377,858	2,098,775	1,871,335	199,219	1,672,116
Petroleum & Coal Products	9,421,854	195,218	9,226,636	3,988,348	6,967	3,981,381
Other	1,098,675	953,036	145,639	1,291,466	1,235,703	55,763
Total	25,250,659	4,185,918	21,064,741	9,524,452	2,268,292	7,256,160
GULF INLAND WATERWAYS - UPPER MISS.						
Farm Products	43,901	43,901	---	1,038,055	1,038,055	---
Marine Products	13,119	13,119	---	---	---	---
Coal	1,422	1,422	---	2,807	2,807	---
Crude Petroleum	112,330	---	112,330	11,490	---	11,490
Non-Metallic Min. Ex. Fuels	1,470,313	1,470,313	---	---	---	---
Chemicals & Allied Products	1,058,440	269,582	788,858	66,421	---	66,421
Petroleum & Coal Products	1,277,498	1,967	1,275,531	487,384	86,372	401,012
Other	122,681	108,123	14,558	509,496	501,674	7,822
Total	4,099,704	1,908,427	2,191,277	2,115,653	1,628,908	486,745

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS - OHIO & TRIB.						
Farm Products	1,618	1,618	---	119,139	119,139	---
Coal	---	---	---	3,381,442	3,377,565	3,877
Crude Petroleum	143,527	---	143,527	---	---	---
Non-Metallic Min. Ex. Fuels	1,275,438	1,252,089	23,349	---	---	---
Chemicals & Allied Products	2,337,448	570,029	1,767,419	166,208	---	166,208
Petroleum & Coal Products	2,217,890	110,336	2,107,554	60,069	17,309	42,760
Other	187,603	187,603	---	622,519	622,519	---
Total	6,163,524	2,121,675	4,041,849	4,349,377	4,136,532	212,845
GULF INLAND WATERWAYS - GREAT LAKES						
Farm Products	---	---	---	18,459	18,459	---
Coal	---	---	---	10,308	10,308	---
Crude Petroleum	69,854	---	69,854	4,596	---	4,596
Non-Metallic Min. Ex. Fuels	699,185	699,185	---	---	---	---
Chemicals & Allied Products.	735,454	13,704	721,750	55,902	---	55,902
Petroleum & Coal Products	871,712	---	871,712	124,224	5,630	118,594
Other	91,690	90,322	1,368	322,916	279,815	43,101
Total	2,467,895	803,211	1,664,684	536,405	314,212	222,193

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI TOTAL						
Farm Products	5,836,694	5,835,421	1,273	40,888,611	40,877,749	10,862
Marine Products	8,274	8,274	---	1,121,300	1,121,300	---
Coal	6,058,551	6,058,551	---	18,338,135	18,331,397	6,738
Crude Petroleum	10,052,910	5,105	10,047,805	15,895,715	391	15,895,324
Non-Metallic Min. Ex. Fuels	9,082,396	7,917,283	1,165,113	11,519,835	9,467,703	2,052,132
Chemicals & Allied Products	11,830,950	3,950,948	7,880,002	6,978,043	1,456,349	5,521,694
Petroleum & Coal Products	23,726,665	442,294	23,284,371	26,400,707	740,081	25,660,626
Other	16,160,282	15,017,974	1,142,308	18,201,806	17,197,833	1,003,973
Total	82,756,722	39,235,850	43,520,872	139,344,152	89,192,803	50,151,349
LOWER MISSISSIPPI - GULF I.W.						
Farm Products	302,223	302,223	---	476,397	474,948	1,449
Marine Products	6,162	6,162	---	1,119,188	1,119,188	---
Coal	437,579	437,579	---	---	---	---
Crude Petroleum	1,457,561	4,714	1,452,847	8,491,948	---	8,491,948
Non-Metallic Min. Ex. Fuels	169,778	75,725	94,053	2,165,964	1,065,670	1,100,294
Chemicals & Allied Products	1,871,335	199,219	1,672,116	2,476,633	377,858	2,098,775
Petroleum & Coal Products	3,988,348	6,967	3,981,381	9,421,854	195,218	9,226,636
Other	1,291,466	1,235,703	55,763	1,098,675	953,036	145,639
Total	9,524,452	2,268,292	7,256,160	25,250,659	4,185,918	21,064,741

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI - LOWER MISS.						
Farm Products	5,471,556	5,470,283	1,273	5,471,556	5,470,283	1,273
Marine Products	2,112	2,112	---	2,112	2,112	---
Coal	4,997,991	4,997,991	---	4,997,991	4,997,991	---
Crude Petroleum	7,403,767	391	7,403,376	7,403,767	391	7,403,376
Non-Metallic Min. Ex. Fuels	7,863,101	6,979,623	883,478	7,863,101	6,979,623	883,478
Chemicals & Allied Products	3,951,571	974,589	2,976,982	3,951,571	974,589	2,976,982
Petroleum & Coal Products	14,003,933	254,170	13,749,763	14,003,933	254,170	13,749,763
Other	9,687,934	9,244,741	443,193	9,687,934	9,244,741	443,193
Total	53,381,965	27,923,900	25,458,065	53,381,965	27,923,900	25,458,065
LOWER MISSISSIPPI - UPPER MISS.						
Farm Products	60,873	60,873	---	30,618,778	30,610,638	8,140
Coal	277,706	277,706	---	1,064,733	1,064,733	---
Crude Petroleum	531,413	---	531,413	---	---	---
Non-Metallic Min. Ex. Fuels	785,426	721,841	63,585	68,360	---	68,360
Chemicals & Allied Products	3,024,384	1,661,965	1,362,419	262,097	73,798	188,299
Petroleum & Coal Products	743,527	26,960	716,567	1,581,394	167,958	1,413,436
Other	1,117,463	648,087	469,376	5,165,567	4,801,157	364,410
Total	6,540,792	3,397,432	3,143,360	38,760,929	36,718,284	2,042,645

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISS. - OHIO & TRIB.						
Farm Products	2,042	2,042	---	3,742,529	3,742,529	---
Coal	205,462	205,462	---	12,274,301	12,267,563	6,738
Crude Petroleum	639,410	---	639,410	---	---	---
Non-Metallic Min. Ex. Fuels	238,139	114,142	123,997	1,419,077	1,419,077	---
Chemicals & Allied Products	2,329,587	1,085,493	1,244,094	219,156	28,800	190,356
Petroleum & Coal Products	4,094,458	131,197	3,963,261	1,262,878	114,931	1,147,947
Other	2,822,192	2,726,410	95,782	1,218,526	1,210,738	7,788
Total	10,331,290	4,264,746	6,066,544	20,136,467	18,783,638	1,352,829
LOWER MISS. - GREAT LAKES						
Farm Products	---	---	---	579,351	579,351	---
Coal	139,813	139,813	---	1,110	1,110	---
Crude Petroleum	20,759	---	20,759	---	---	---
Non-Metallic Min. Ex. Fuels	25,952	25,952	---	3,333	3,333	---
Chemicals & Allied Products	654,073	29,682	624,391	68,586	1,304	67,282
Petroleum & Coal Products	896,399	23,000	873,399	130,648	7,804	122,844
Other	1,241,227	1,163,033	78,194	1,031,104	988,161	42,943
Total	2,978,223	1,381,480	1,596,743	1,814,132	1,581,063	233,069

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI TOTAL						
Farm Products	32,300,450	32,291,273	9,177	477,791	476,754	1,037
Marine Products	237	237	---	13,356	13,356	---
Coal	15,134,024	15,127,882	6,142	10,056,317	10,050,175	6,142
Crude Petroleum	43,844	---	43,844	655,819	---	655,819
Non-Metallic Min. Ex. Fuels	7,480,430	7,396,742	83,688	8,390,894	8,311,981	78,913
Chemicals & Allied Products	1,267,619	148,027	1,119,592	4,953,920	1,970,833	2,983,087
Petroleum & Coal Products	9,865,177	558,243	9,306,934	8,354,612	261,379	8,093,233
Other	9,169,378	8,658,338	511,040	5,503,489	3,107,297	2,396,192
Total	75,261,159	64,180,742	11,080,417	38,406,198	24,191,775	14,214,423
UPPER MISSISSIPPI - GULF I.W.						
Farm Products	1,038,055	1,038,055	---	43,901	43,901	---
Marine Products	---	---	---	13,119	13,119	---
Coal	2,807	2,807	---	1,422	1,422	---
Crude Petroleum	11,490	---	11,490	112,330	---	112,330
Non-Metallic Min. Ex. Fuels	---	---	---	1,470,313	1,470,313	---
Chemicals & Allied Products	66,421	---	66,421	1,058,440	269,582	788,858
Petroleum & Coal Products	487,384	86,372	401,012	1,277,498	1,967	1,275,531
Other	509,496	501,674	7,822	122,681	108,123	14,558
Total	2,115,653	1,628,908	486,745	4,099,704	1,908,427	2,191,277

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI - LOWER MISS.						
Farm Products	30,618,778	30,610,638	8,140	60,873	60,873	---
Coal	1,064,733	1,064,733	---	277,706	277,706	---
Crude Petroleum	---	---	---	531,413	---	531,413
Non-Metallic Min. Ex. Fuels	68,360	---	68,360	785,426	721,841	63,585
Chemicals & Allied Products	262,097	73,798	188,299	3,024,384	1,661,965	1,362,419
Petroleum & Coal Products	1,581,394	167,958	1,413,436	743,527	26,960	716,567
Other	5,165,567		364,410	1,117,463	648,087	469,376
Total	38,760,929	36,718,284	2,042,645	6,540,792	3,397,432	3,143,360
UPPER MISSISSIPPI - UPPER MISS.						
Farm Products	351,484	350,447	1,037	351,484	350,447	1,037
Marine Products	237	237	---	237	237	---
Coal	7,568,254	7,562,112	6,142	7,568,254	7,562,112	6,142
Crude Petroleum	9,374	---	9,374	9,374	---	9,374
Non-Metallic Min. Ex. Fuels	5,728,224	5,712,896	15,328	5,728,224	5,712,896	15,328
Chemicals & Allied Products	686,120	18,452	667,668	686,120	18,452	667,668
Petroleum & Coal Products	5,456,154	220,100	5,236,054	5,456,154	220,100	5,236,054
Other	1,694,288	1,665,194	29,094	1,694,288	1,665,194	29,094
Total	21,494,135	15,529,438	5,964,697	21,494,135	15,529,438	5,964,697

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISS. - OHIO & TRIB.						
Farm Products	155,626	155,626	---	21,533	21,533	---
Coal	1,895,165	1,895,165	---	2,207,451	2,207,451	---
Crude Petroleum	22,980	---	22,980	---	---	---
Non-Metallic Min. Ex. Fuels	72,338	72,338	---	---	---	---
Chemicals & Allied Products	94,301	55,777	38,524	156,841	20,834	136,007
Petroleum & Coal Products	1,880,060	---	1,880,060	483,824	6,921	476,903
Other	655,728	595,037	60,691	270,939	270,939	---
Total	4,776,198	2,773,943	2,002,255	3,140,588	2,527,678	612,910
UPPER MISS. - GREAT LAKES						
Farm Products	136,507	136,507	---	---	---	---
Coal	4,603,065	4,603,065	---	1,484	1,484	---
Crude Petroleum	---	---	---	2,702	---	2,702
Non-Metallic Min. Ex. Fuels	1,611,508	1,611,508	---	406,931	406,931	---
Chemicals & Allied Products	158,680	---	158,680	28,135	---	28,135
Petroleum & Coal Products	460,185	83,813	376,372	393,609	5,431	388,178
Other	1,144,299	1,095,276	49,023	2,298,118	414,954	1,883,164
Total	8,114,244	7,530,169	584,075	3,130,979	828,800	2,302,179

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES TOTAL						
Farm Products	3,906,781	3,906,781	---	188,157	188,157	---
Coal	94,776,836	94,273,595	503,241	78,921,162	78,428,536	492,626
Crude Petroleum	---	---	---	883,282	---	883,282
Non-Metallic Min. Ex. Fuels	17,555,403	17,554,012	1,391	17,669,944	17,522,598	147,346
Chemicals & Allied Products	2,319,116	103,665	2,215,451	6,449,863	1,763,946	4,685,917
Petroleum & Coal Products	11,368,453	271,366	11,097,087	17,706,256	404,909	17,301,347
Other	3,866,885	3,819,398	47,487	5,333,876	5,139,065	194,811
Total	133,793,474	119,928,817	13,864,657	127,152,540	103,447,211	23,705,329
OHIO & TRIB. - GULF I.W.						
Farm Products	119,139	119,139	---	1,618	1,618	---
Coal	3,381,442	3,377,565	3,877	---	---	---
Crude Petroleum	---	---	---	143,527	---	143,527
Non-Metallic Min. Ex. Fuels	---	---	---	1,275,438	1,252,089	23,349
Chemicals & Allied Products	166,208	---	166,208	2,337,448	570,029	1,767,419
Petroleum & Coal Products	60,069	17,309	42,760	2,217,890	110,336	2,107,554
Other	622,519	622,519	---	187,603	187,603	---
Total	4,349,377	4,136,532	212,845	6,163,524	2,121,675	4,041,849

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIB. - LOWER MISS.						
Farm Products	3,742,529	3,742,529	---	2,042	2,042	---
Coal	12,274,301	12,267,563	6,738	205,462	205,462	---
Crude Petroleum	---	---	---	639,410	---	639,410
Non-Metallic Min. Ex. Fuels	1,419,077	1,419,077	---	238,139	114,142	123,997
Chemicals & Allied Products	219,156	28,800	190,356	2,329,587	1,085,493	1,244,094
Petroleum & Coal Products	1,262,878	114,931	1,147,947	4,094,458	131,197	3,963,261
Other	1,218,526	1,210,738	7,788	2,822,192	2,726,410	95,782
Total	20,136,467	18,783,638	1,352,829	10,331,290	4,264,746	6,066,544
OHIO & TRIB. - UPPER MISS.						
Farm Products	21,533	21,533	---	155,626	155,626	---
Coal	2,207,451	2,207,451	---	1,895,165	1,895,165	---
Crude Petroleum	---	---	---	22,980	---	22,980
Non-Metallic Min. Ex. Fuels	---	---	---	72,338	72,338	---
Chemicals & Allied Products	156,841	20,834	136,007	94,301	55,777	38,524
Petroleum & Coal Products	483,824	6,921	476,903	1,880,060	---	1,880,060
Other	270,939	270,939	---	655,728	595,037	60,691
Total	3,140,588	2,527,678	612,910	4,776,198	2,773,943	2,002,255

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIB. - OHIO & TRIB.						
Farm Products	23,580	23,580	---	23,580	23,580	---
Marine Products	---	---	---	---	---	---
Coal	76,820,535	76,327,909	492,626	76,820,535	76,327,909	492,626
Non-Metallic Min. Ex. Fuels	16,083,138	16,083,138	---	16,083,138	16,083,138	---
Chemicals & Allied Products	1,644,923	52,647	1,592,276	1,644,923	52,647	1,592,276
Petroleum & Coal Products	9,408,168	132,205	9,275,963	9,408,168	132,205	9,275,963
Other	1,622,928	1,584,590	38,338	1,622,928	1,584,590	38,338
Total	105,603,272	94,204,069	11,399,203	105,603,272	94,204,069	11,399,203
OHIO & TRIB. - GREAT LAKES						
Farm Products	---	---	---	5,291	5,291	---
Coal	93,107	93,107	---	---	---	---
Cruoe Petroleum	---	---	---	77,365	---	77,365
Non-Metallic Min. Ex. Fuels	53,188	51,797	1,391	891	891	---
Chemicals & Allied Products	131,988	1,384	130,604	43,604	---	43,604
Petroleum & Coal Products	153,514	---	153,514	105,680	31,171	74,509
Other	131,973	130,612	1,361	45,425	45,425	---
Total	563,770	276,900	286,870	278,256	82,778	195,478

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
CALIFORNIA TOTAL						
Farm Products	21,599	21,599	---	21,599	21,599	---
Marine Products	485,180	485,180	---	485,180	485,180	---
Crude Petroleum	2,440,514	---	2,440,514	2,440,514	---	2,440,514
Non-Metallic Min. Ex. Fuels	695,857	695,857	---	695,857	695,857	---
Chemicals & Allied Products	12,529	3,911	8,618	12,529	3,911	8,618
Petroleum & Coal Products	8,169,769	---	8,169,769	8,169,769	---	8,169,769
Other	1,212,532	1,043,067	169,465	1,212,532	1,043,067	169,465
Total	13,037,980	2,249,614	10,788,366	13,037,980	2,249,614	10,788,366
CALIFORNIA - CALIFORNIA						
Farm Products	21,599	21,599	---	21,599	21,599	---
Marine Products	485,180	485,180	---	485,180	485,180	---
Crude Petroleum	2,440,514	---	2,440,514	2,440,514	---	2,440,514
Non-Metallic Min. Ex. Fuels	695,857	695,857	---	695,857	695,857	---
Chemicals & Allied Products	12,529	3,911	8,618	12,529	3,911	8,618
Petroleum & Coal Products	8,169,769	---	8,169,769	8,169,769	---	8,169,769
Other	1,212,532	1,043,067	169,465	1,212,532	1,043,067	169,465
Total	13,037,980	2,249,614	10,788,366	13,037,980	2,249,614	10,788,366

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
PACIFIC NORTHWEST TOTAL						
Farm Products	3,226,254	2,091,294	1,134,960	3,226,254	2,091,294	1,134,960
Marine Products	125,425	125,425	---	125,425	125,425	---
Crude Petroleum	346,762	---	346,762	346,762	---	346,762
Non-Metallic Min. Ex. Fuels	6,834,530	6,834,530	---	6,834,530	6,834,530	---
Chemicals & Allied Products	739,926	28,305	711,621	739,926	28,305	711,621
Petroleum & Coal Products	5,389,407	91,658	5,297,749	5,389,407	91,658	5,297,749
Other	22,165,639	21,946,378	219,261	22,165,639	21,946,378	219,261
Total	38,827,943	31,117,590	7,710,353	38,827,943	31,117,590	7,710,353
Pacific Northwest - Pacific N.W.						
Farm Products	3,226,254	2,091,294	1,134,960	3,226,254	2,091,294	1,134,960
Marine Products	125,425	125,425	---	125,425	125,425	---
Crude Petroleum	346,762	---	346,762	346,762	---	346,762
Non-Metallic Min. Ex. Fuels	6,834,530	6,834,530	---	6,834,530	6,834,530	---
Chemicals & Allied Products	739,926	28,305	711,621	739,926	28,305	711,621
Petroleum & Coal Products	5,389,407	91,658	5,297,749	5,389,407	91,658	5,297,749
Other	22,165,639	21,946,378	219,261	22,165,639	21,946,378	219,261
Total	38,827,943	31,117,590	7,710,353	38,827,943	31,117,590	7,710,353

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES TOTAL						
Farm Products	603,101	603,101	---	136,507	136,507	---
Coal	12,902	12,902	---	4,835,985	4,835,985	---
Crude Petroleum	84,663	---	84,663	90,613	---	90,613
Non-Metallic Min. Ex. Fuels	411,155	411,155	---	2,389,833	2,388,442	1,391
Chemicals & Allied Products	210,567	1,304	209,263	1,680,195	44,770	1,635,425
Petroleum & Coal Products	756,845	50,036	706,809	2,493,460	106,813	2,386,647
Other	3,711,821	1,728,355	1,983,466	2,618,223	2,479,243	138,980
Total	5,791,054	2,806,853	2,984,201	14,244,816	9,991,760	4,253,056
GREAT LAKES - NORTH EASTERN						
Chemicals & Allied Products	14,340	---	14,340	---	---	---
Petroleum & Coal Products	2,684	---	2,684	111,650	---	111,650
Other	14,258	---	14,258	9,034	---	9,034
Total	31,282	---	31,282	120,684	---	120,684

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES - GULF I.W.						
Farm Products	18,459	18,459	---	---	---	---
Coal	10,308	10,308	---	---	---	---
Crude Petroleum	4,596	---	4,596	69,854	---	69,854
Non-Metallic Min. Ex. Fuels	---	---	---	699,185	699,185	---
Chemicals & Allied Products	55,902	---	55,902	735,454	13,704	721,750
Petroleum & Coal Products	124,224	5,630	118,594	871,712	---	871,712
Other	322,916	279,815	43,101	91,690	90,322	1,368
Total	536,405	314,212	222,193	2,467,895	803,211	1,664,684
GREAT LAKES - LOWER MISS.						
Farm Products	579,351	579,351	---	---	---	---
Coal	1,110	1,110	---	139,813	139,813	---
Crude Petroleum	---	---	---	20,759	---	20,759
Non-Metallic Min. Ex. Fuels	3,333	3,333	---	25,952	25,952	---
Chemicals & Allied Products	68,586	1,304	67,282	654,073	29,682	624,391
Petroleum & Coal Products	130,648	7,804	122,844	896,399	23,000	873,399
Other	1,031,104	988,161	42,943	1,241,227	1,163,033	78,194
Total	1,814,132	1,581,963	233,069	2,978,223	1,381,480	1,596,743

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U.S. INLAND WATERWAYS COMMERCE BY AREA AND COMMODITY FOR CALENDAR YEAR 1976

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES - UPPER MISS.						
Farm Products	---	---	---	136,507	136,507	---
Coal	1,484	1,484	---	4,603,065	4,603,065	---
Crude Petroleum	2,702	---	2,702	---	---	---
Non-Metallic Min. Ex. Fuels	406,931	406,931	---	1,611,508	1,611,508	---
Chemicals & Allied Products	28,135	---	28,135	158,680	---	158,680
Petroleum & Coal Products	393,609	5,431	388,178	460,185	83,813	376,372
Other	2,298,118	414,954	1,883,164	1,144,299	1,095,276	49,023
Total	3,130,979	828,800	2,302,179	8,114,244	7,530,169	584,075
GREAT LAKES - OHIO & TRIB.						
Farm Products	5,291	5,291	---	---	---	---
Coal	---	---	---	93,107	93,107	---
Crude Petroleum	77,365	---	77,365	---	---	---
Non-Metallic Min. Ex. Fuels	891	891	---	53,188	51,797	1,391
Chemicals & Allied Products	43,604	---	43,604	131,988	1,384	130,604
Petroleum & Coal Products	105,680	31,171	74,509	153,514	---	153,514
Other	45,425	45,425	---	131,973	130,612	1,361
Total	278,256	82,778	195,478	563,770	276,900	286,870

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U.S. INLAND WATERWAYS COMMERCE BY SHIPPING AREA AND TYPE OF VESSEL FOR 1977 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
DRY	9.234.338	431.321	1.693.699	5.833.944	104.306	217	0	834.342	149.472	187.035
TANK	16.323.627	9.024.172	795.854	1.675.022	723.551	2.421	0	4.041.193	61.414	0
TOTAL SELF-PROP.	25.557.963	9.455.493	2.489.553	7.508.966	827.857	2.638	0	4.875.535	210.886	187.035
DRY	319.719.967	8.696.759	11.641.396	43.505.472	34.643.696	58.509.464	125.990.605	997.672	32.523.104	3.211.799
TANK	261.296.817	54.772.718	40.635.148	77.569.073	50.447.640	10.597.755	11.488.159	6.283.653	7.977.949	1.524.722
TOTAL NON-SELF-PROP.	581.016.784	63.469.477	52.276.544	121.074.545	85.091.336	69.107.219	137.478.764	7.281.325	40.501.053	4.736.521
TOTAL SHIPPING	606.574.747	72.924.970	54.766.097	128.583.511	85.919.193	69.109.857	137.478.764	12.156.860	40.711.939	4.923.556

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY RECEIVING AREA AND TYPE OF VESSEL FOR 1977 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
DRY	9.234.336	423.217	1.886.622	5.832.280	108.186	217	0	834.342	149.472	0
TANK	16.323.627	9.162.522	657.504	1.505.999	892.574	0	0	4.041.193	61.414	2.421
TOTAL SELF-PROP.	25.557.963	9.585.739	2.544.126	7.338.279	1.000.760	217	0	4.875.535	210.886	2.421
DRY	319.719.967	9.203.217	12.676.613	40.738.144	86.426.081	25.208.213	102.359.818	997.672	32.523.104	9.587.105
TANK	261.296.817	56.151.968	40.388.426	58.267.197	53.017.238	12.627.655	22.560.014	6.283.653	7.977.949	4.022.717
TOTAL NON SELF-PROP	581.016.784	65.355.185	53.065.039	99.005.341	139.443.319	.835.868	124.919.832	7.281.325	40.501.053	13.609.822
TOTAL RECEIVING	606.574.747	74.940.924	55.609.165	106.343.620	140.444.079	37.836.085	124.919.832	12.156.860	40.711.939	13.612.243

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

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U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN TANK VESSELS FOR 1977 *

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	63.796.890	59.036.109	4.644.715	0	0	0	0	0	0	116.066
ATL. I.W.	41.431.002	6.257.696	35.173.306	0	0	0	0	0	0	0
GULF I.W.	79.244.095	0	1.142.139	48.486.764	22.946.439	1.481.080	3.678.825	0	0	1.508.848
LOWER MISS.	51.171.191	0	85.770	10.661.139	28.017.189	3.601.439	7.387.097	0	0	1.418.557
UPPER MISS.	10.600.176	0	0	213.773	1.849.571	6.081.488	1.709.964	0	0	745.380
OHIO & TRIB.	11.488.159	0	0	256.270	836.036	554.363	9.605.203	0	0	236.287
CALIFORNIA	10.324.846	0	0	0	0	0	0	10.324.846	0	0
PACIFIC N.W.	8.039.363	0	0	0	0	0	0	0	8.039.363	0
GREAT LAKES	1.524.722	20.685	0	155.250	260.577	909.285	178.925	0	0	0
TOTAL TANK VESSELS	277.820.444	65.314.490	41.045.930	59.773.196	53.909.812	12.627.655	22.560.014	10.324.846	8.039.363	4.025.138

U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN DRY VESSELS FOR 1977 *

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	9.128.080	8.770.474	357.532	74	0	0	0	0	0	0
ATL. I.W.	13.335.095	855.960	12.473.184	5.951	0	0	0	0	0	0
GULF I.W.	49.339.416	0	59.972	40.577.053	3.902.472	1.781.573	2.125.983	0	0	892.363
LOWER MISS.	34.748.002	0	262.700	1.527.661	23.984.105	3.968.556	3.631.826	0	0	1.373.154
UPPER MISS.	58.509.681	0	0	1.096.615	33.883.716	15.669.112	938.818	0	0	6.921.420
OHIO & TRIB.	125.990.605	0	1.222.812	3.090.352	23.023.617	2.692.378	95.561.278	0	0	400.168
CALIFORNIA	1.832.014	0	0	0	0	0	0	1.832.014	0	0
PACIFIC N.W.	32.672.576	0	0	0	0	0	0	0	32.672.576	0
GREAT LAKES	3.398.834	0	187.035	272.718	1.740.357	1.096.811	101.913	0	0	0
TOTAL DRY VESSELS	328.954.303	9.626.434	14.563.235	46.570.424	86.534.267	25.208.430	102.359.818	1.832.014	32.672.576	9.587.105

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
NORTH EASTERN						
NORTH EASTERN						
FARM PRODUCTS	137,677	137,677	0	137,677	137,677	0
MARINE PRODUCTS	336,391	336,391	0	336,391	336,391	0
COAL	875,426	875,426	0	875,426	875,426	0
CRUDE PETROLEUM	2,675,616	0	2,675,616	2,675,616	0	2,675,616
NON-METALLIC MIN. EX. FUELS	3,135,534	3,033,534	102,000	3,135,534	3,033,534	102,000
CHEMICALS & ALLIED PRODUCTS	328,707	4,500	324,207	328,707	4,500	324,207
PETROLEUM & COAL PRODUCTS	50,651,827	10,480	50,651,347	50,661,827	10,480	50,651,347
OTHER	9,655,405	4,372,466	5,282,939	9,655,405	4,372,466	5,282,939
TOTAL	67,806,583	8,770,474	59,036,109	67,806,583	8,770,474	59,036,109
NORTH EASTERN						
ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	8,031	8,031	0	0	0	0
COAL	0	0	0	842,899	842,899	0
CRUDE PETROLEUM	99,751	0	99,751	3,128,420	0	3,128,420
NON-METALLIC MIN. EX. FUELS	334,865	334,865	0	2,205	2,205	0
CHEMICALS & ALLIED PRODUCTS	196,876	0	196,876	214,287	1,506	212,781
PETROLEUM & COAL PRODUCTS	4,361,614	13,526	4,348,088	2,452,518	362	2,452,156
OTHER	1,110	1,110	0	473,327	8,988	464,339
TOTAL	5,002,247	357,532	4,644,715	7,113,656	855,960	6,257,696
NORTH EASTERN						
GULF INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	74	74	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	74	74	0	0	0	0

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

NORTH EASTERN GREAT LAKES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	20,172	0	20,172
PETROLEUM & COAL PRODUCTS	116,066	0	116,066	513	0	513
OTHER	0	0	0	0	0	0
TOTAL	116,066	0	116,066	20,685	0	20,685

U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

TOTAL FOR NORTH EASTERN	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	137,677	137,677	0	137,677	137,677	0
MARINE PRODUCTS	344,496	344,496	0	336,391	336,391	0
COAL	875,426	875,426	0	1,718,325	1,718,325	0
CRUDE PETROLEUM	2,775,367	0	2,775,367	5,804,036	0	5,804,036
NON-METALLIC MIN. EX. FUELS	3,470,399	3,368,399	102,000	3,137,739	3,035,739	102,000
CHEMICALS & ALLIED PRODUCTS	525,583	4,500	521,083	563,166	6,006	557,160
PETROLEUM & COAL PRODUCTS	55,139,507	24,006	55,115,501	53,114,858	10,842	53,104,016
OTHER	9,656,515	4,373,576	5,282,939	10,128,732	4,381,454	5,747,278
TOTAL	72,924,970	9,128,080	63,796,890	74,940,924	9,626,434	65,314,490

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	8,031	8,031	0
COAL	842,899	842,899	0	0	0	0
CRUDE PETROLEUM	3,128,420	0	3,128,420	99,751	0	99,751
NON-METALLIC MIN. EX. FUELS	2,205	2,205	0	334,865	334,865	0
CHEMICALS & ALLIED PRODUCTS	214,287	1,506	212,781	196,876	0	196,876
PETROLEUM & COAL PRODUCTS	2,452,518	362	2,452,156	4,361,614	13,526	4,348,088
OTHER	473,327	8,988	464,339	1,110	1,110	0
TOTAL	7,113,656	855,960	6,257,696	5,002,247	357,532	4,644,715
ATLANTIC INLAND WATERWAYS ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	276,705	275,905	800	276,705	275,905	800
MARINE PRODUCTS	1,257,782	1,257,782	0	1,257,782	1,257,782	0
COAL	3,294,009	3,294,009	0	3,294,009	3,294,009	0
CRUDE PETROLEUM	8,021,596	0	8,021,596	8,021,596	0	8,021,596
NON-METALLIC MIN. EX. FUELS	4,549,989	4,112,739	437,250	4,549,989	4,112,739	437,250
CHEMICALS & ALLIED PRODUCTS	1,969,732	866,992	1,102,740	1,969,732	866,992	1,102,740
PETROLEUM & COAL PRODUCTS	25,349,343	122,738	25,226,605	25,349,343	122,738	25,226,605
OTHER	2,927,334	2,543,019	384,315	2,927,334	2,543,019	384,315
TOTAL	47,646,490	12,473,184	35,173,306	47,646,490	12,473,184	35,173,306
ATLANTIC INLAND WATERWAYS GULF INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	12	12	0	1,237	1,237	0
COAL	0	0	0	56,405	56,405	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	219,732	0	219,732
PETROLEUM & COAL PRODUCTS	0	0	0	922,407	0	922,407
OTHER	5,939	5,939	0	2,330	2,330	0
TOTAL	5,951	5,951	0	1,202,111	59,972	1,142,139

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS LOWER MISSISSIPPI						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	256,711	256,711	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	2,759	0	2,759
CHEMICALS & ALLIED PRODUCTS	0	0	0	73,800	0	73,800
PETROLEUM & COAL PRODUCTS	0	0	0	9,211	0	9,211
OTHER	0	0	0	5,989	5,989	0
TOTAL	0	0	0	348,470	262,700	85,770
ATLANTIC INLAND WATERWAYS OHIO & TRIBUTARIES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	1,222,812	1,222,812	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	1,222,812	1,222,812	0
ATLANTIC INLAND WATERWAYS GREAT LAKES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	135	135	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	186,900	186,900	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	187,035	187,035	0

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
TOTAL FOR ATLANTIC INLAND WATERWAYS	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	276,705	275,905	800	276,705	275,905	800
MARINE PRODUCTS	1,257,794	1,257,794	0	1,267,185	1,267,185	0
COAL	4,136,908	4,136,908	0	4,829,937	4,829,937	0
CRUDE PETROLEUM	11,150,016	0	11,150,016	8,121,347	0	8,121,347
NON-METALLIC MIN. EX. FUELS	4,552,194	4,114,944	437,250	5,074,513	4,634,504	440,009
CHEMICALS & ALLIED PRODUCTS	2,184,019	868,498	1,315,521	2,460,140	866,992	1,593,148
PETROLEUM & COAL PRODUCTS	27,801,861	123,100	27,678,761	30,642,575	136,264	30,506,311
OTHER	3,406,600	2,557,946	348,654	2,936,763	2,552,448	384,315
TOTAL	54,766,097	13,335,095	41,431,002	55,609,165	14,563,235	41,045,930

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	74	74	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	74	74	0
GULF INLAND WATERWAYS ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	1,237	1.237	0	12	12	0
COAL	56,405	56.405	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	219,732	0	219.732	0	0	0
PETROLEUM & COAL PPODUCTS	922,407	0	922.407	0	0	0
OTHER	2,330	2.330	0	5,939	5,939	0
TOTAL	1,202,111	59.972	1,142,139	5,951	5,951	0
GULF INLAND WATERWAYS GULF INLAND WATERWAYS						
FARM PRODUCTS	783,250	783.250	0	783.250	783,250	0
MARINE PRODUCTS	11,552,848	11,551,848	1.000	11,552.848	11,551,848	1.000
COAL	7,742,503	7,727,660	14,843	7,742,503	7,727,660	14,843
CRUDE PETROLEUM	19,036,999	0	19,036,999	19,036,999	0	19,036,999
NON-METALLIC MIN. EX. FUELS	9,043,917	7,446,025	1,597,892	9,043,917	7,446,025	1,597,892
CHEMICALS & ALLIED PRODUCTS	7,998,524	605,150	7,393,374	7,998,524	605,150	7,393,374
PETROLEUM & COAL PRODUCTS	20,259,988	723,374	19,536,614	20,259,988	723,374	19,536,614
OTHER	12,645,788	11,739,746	906,042	12,645,788	11,739,746	906,042
TOTAL	89,063,817	40,577,053	48,486,764	89,063,817	40,577,053	48,486,764

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS LOWER MISSISSIPPI						
FARM PRODUCTS	527,947	527,947	0	353,644	353,644	0
MARINE PRODUCTS	874,537	874,537	0	2,906	2,906	0
COAL	21,062	21,062	0	95,114	95,114	0
CRUDE PETROLEUM	8,341,515	0	8,341,515	2,506,174	0	2,506,174
NON-METALLIC MIN. EX. FUELS	2,246,739	1,080,566	1,166,173	367,549	275,739	91,810
CHEMICALS & ALLIED PRODUCTS	3,066,403	504,295	2,562,108	2,051,963	185,286	1,866,677
PETROLEUM & COAL PRODUCTS	10,872,015	84,395	10,787,620	6,205,646	85,609	6,120,037
OTHER	898,693	809,670	89,023	605,804	529,363	76,441
TOTAL	26,848,911	3,902,472	22,946,439	12,188,800	1,527,661	10,661,139
GULF INLAND WATERWAYS UPPER MISSISSIPPI						
FARM PRODUCTS	2,888	2,888	0	618,017	618,017	0
MARINE PRODUCTS	12,780	12,780	0	0	0	0
COAL	0	0	0	47,587	47,587	0
CRUDE PETROLEUM	64,400	0	64,400	1,332	0	1,332
NON-METALLIC MIN. EX. FUELS	1,307,766	1,306,593	1,173	1,500	1,500	0
CHEMICALS & ALLIED PRODUCTS	897,157	235,388	661,769	37,396	0	37,396
PETROLEUM & COAL PRODUCTS	879,778	140,200	739,578	220,999	67,245	153,754
OTHER	97,884	83,724	14,160	383,557	362,266	21,291
TOTAL	3,262,653	1,781,573	1,481,080	1,310,388	1,096,615	213,773
GULF INLAND WATERWAYS OHIO & TRIBUTARIES						
FARM PRODUCTS	0	0	0	45,355	45,355	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	4,857	4,857	0	2,420,971	2,420,971	0
CRUDE PETROLEUM	10,724	0	10,724	0	0	0
NON-METALLIC MIN. EX. FUELS	1,433,258	1,405,373	27,885	5,230	5,230	0
CHEMICALS & ALLIED PRODUCTS	2,190,589	544,536	1,646,053	180,017	1,400	178,617
PETROLEUM & COAL PRODUCTS	2,017,555	23,392	1,994,163	96,911	19,258	77,653
OTHER	147,825	147,825	0	598,138	598,138	0
TOTAL	5,804,808	2,125,983	3,678,825	3,346,622	3,090,352	256,270

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

GULF INLAND WATERWAYS GREAT LAKES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	0	0	0	9,906	9,906	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	22,214	0	22,214	6,588	0	6,588
NON-METALLIC MIN. EX. FUELS	657,896	657,896	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	727,715	17,657	710,058	44,763	0	44,763
PETROLEUM & COAL PRODUCTS	812,010	35,434	776,576	50,215	0	50,215
OTHER	181,376	181,376	0	316,496	262,812	53,684
TOTAL	2,401,211	892,363	1,508,848	427,968	272,718	155,250

TOTAL FOR GULF INLAND WATERWAYS	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	1,314,085	1,314,085	0	1,810,172	1,810,172	0
MARINE PRODUCTS	12,441,402	12,440,402	1,000	11,555,840	11,554,840	1,000
COAL	7,824,827	7,809,984	14,843	10,306,175	10,291,332	14,843
CRUDE PETROLEUM	27,475,852	0	27,475,852	21,551,093	0	21,551,093
NON-METALLIC MIN. EX. FUELS	14,689,576	11,896,453	2,793,123	9,418,196	7,728,494	1,689,702
CHEMICALS & ALLIED PRODUCTS	15,100,120	1,907,026	13,193,094	10,312,663	791,836	9,520,827
PETROLEUM & COAL PRODUCTS	35,763,753	1,006,795	34,756,958	26,833,759	895,486	25,938,273
OTHER	13,973,896	12,964,671	1,009,225	14,555,722	13,498,264	1,057,458
TOTAL	128,583,511	49,339,416	79,244,095	106,343,620	46,570,424	59,773,196

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	256,711	256,711	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	2,759	0	2,759	0	0	0
CHEMICALS & ALLIED PRODUCTS	73,800	0	73,800	0	0	0
PETROLEUM & COAL PRODUCTS	9,211	0	9,211	0	0	0
OTHER	5,989	5,989	0	0	0	0
TOTAL	348,470	262,700	85,770	0	0	0
LOWER MISSISSIPPI GULF INLAND WATERWAYS						
FARM PRODUCTS	353,644	353,644	0	527,947	527,947	0
MARINE PRODUCTS	2,906	2,906	0	874,537	874,537	0
COAL	95,114	95,114	0	21,062	21,062	0
CRUDE PETROLEUM	2,506,174	0	2,506,174	8,341,515	0	8,341,515
NON-METALLIC MIN. EX. FUELS	367,549	275,739	91,810	2,246,739	1,080,566	1,166,173
CHEMICALS & ALLIED PRODUCTS	2,051,963	185,286	1,866,677	3,066,403	504,295	2,562,108
PETROLEUM & COAL PRODUCTS	6,205,646	85,609	6,120,037	10,872,015	84,395	10,787,620
OTHER	605,804	529,363	76,441	898,693	809,670	89,023
TOTAL	12,188,800	1,527,661	10,661,139	26,848,911	3,902,472	22,946,439
LOWER MISSISSIPPI LOWER MISSISSIPPI						
FARM PRODUCTS	5,756,783	5,754,018	2,765	5,756,783	5,754,018	2,765
MARINE PRODUCTS	440	440	0	440	440	0
COAL	3,510,246	3,510,246	0	3,510,246	3,510,246	0
CRUDE PETROLEUM	5,411,257	0	5,411,257	5,411,257	0	5,411,257
NON-METALLIC MIN. EX. FUELS	8,782,981	7,923,879	859,102	8,782,981	7,923,879	859,102
CHEMICALS & ALLIED PRODUCTS	4,357,496	1,134,099	3,223,397	4,357,496	1,134,099	3,223,397
PETROLEUM & COAL PRODUCTS	18,323,921	188,949	18,134,972	18,323,921	188,949	18,134,972
OTHER	5,858,170	5,472,474	385,696	5,858,170	5,472,474	385,696
TOTAL	52,001,294	23,984,105	28,017,189	52,001,294	23,984,105	28,017,189

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI UPPER MISSISSIPPI						
FARM PRODUCTS	30.584	30.584	0	28.682.949	28.659.641	23.308
MARINE PRODUCTS	0	0	0	0	0	0
COAL	488.010	488.010	0	692.164	689.142	3.022
CRUDE PETROLEUM	494.718	0	494.718	13.761	0	13.761
NON-METALLIC MIN. EX. FUELS	835.361	830.855	4.506	139.244	31.845	107.399
CHEMICALS & ALLIED PRODUCTS	3.370.995	1.866.400	1.504.595	204.629	48.563	156.066
PETROLEUM & COAL PRODUCTS	1.251.778	59.063	1.192.715	1.240.633	199.106	1.041.527
OTHER	1.098.549	693.644	404.905	4.759.907	4.255.419	504.488
TOTAL	7.569.995	3.968.556	3.601.439	35.733.287	33.883.716	1.849.571
LOWER MISSISSIPPI OHIO & TRIBUTARIES						
FARM PRODUCTS	6.382	6.382	0	4.198.103	4.194.292	3.811
MARINE PRODUCTS	0	0	0	0	0	0
COAL	112.570	112.570	0	15.842.875	15.838.450	4.425
CRUDE PETROLEUM	267.906	0	267.906	0	0	0
NON-METALLIC MIN. EX. FUELS	268.825	138.001	130.824	1.667.463	1.667.463	0
CHEMICALS & ALLIED PRODUCTS	2.926.576	1.383.167	1.543.409	143.774	17.841	125.933
PETROLEUM & COAL PRODUCTS	5.407.681	30.391	5.377.290	774.803	78.502	696.301
OTHER	2.028.983	1.961.315	67.668	1.232.635	1.227.069	5.566
TOTAL	11.018.923	3.631.826	7.387.097	23.859.653	23.023.617	836.036
LOWER MISSISSIPPI GREAT LAKES						
FARM PRODUCTS	1.402	1.402	0	778.192	778.192	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	147.446	147.446	0	0	0	0
CRUDE PETROLEUM	32.938	0	32.938	0	0	0
NON-METALLIC MIN. EX. FUELS	49.754	49.754	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	748.878	27.573	721.305	73.687	2.810	70.877
PETROLEUM & COAL PRODUCTS	632.472	19.778	612.694	127.940	0	127.940
OTHER	1.178.821	1.127.201	51.620	1.021.115	959.355	61.760
TOTAL	2.791.711	1.373.154	1.418.557	2.000.934	1.740.357	260.577

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

TOTAL FOR LOWER MISSISSIPPI	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	6.148.795	6.146.030	2.765	39.943.974	39.914.090	29.884
MARINE PRODUCTS	3.346	3.346	0	874.977	874.977	0
COAL	4.610.097	4.610.097	0	20.066.347	20.058.900	7.447
CRUDE PETROLEUM	8.712.993	0	8.712.993	13.766.533	0	13.766.533
NON-METALLIC MIN. EX. FUELS	10.307.229	9.218.228	1.089.001	12.836.427	10.703.753	2.132.674
CHEMICALS & ALLIED PRODUCTS	13.529.708	4.596.525	8.933.183	7.845.989	1.707.608	6.138.381
PETROLEUM & COAL PRODUCTS	31.830.709	383.790	31.446.919	31.339.312	550.952	30.788.360
OTHER	10.776.316	9.789.986	986.330	13.770.520	12.723.987	1.046.533
TOTAL	85.919.193	34.748.002	51.171.191	140.444.079	86.534.267	53.909.812

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI						
GULF INLAND WATERWAYS						
FARM PRODUCTS	618.017	618.017	0	2.888	2.888	0
MARINE PRODUCTS	0	0	0	12.780	12.780	0
COAL	47.587	47.587	0	0	0	0
CRUDE PETROLEUM	1.332	0	1.332	64.400	0	64.400
NON-METALLIC MIN. EX. FUELS	1.500	1.500	0	1.307.766	1.306.593	1.173
CHEMICALS & ALLIED PRODUCTS	37.396	0	37.396	897.157	235.388	661.769
PETROLEUM & COAL PRODUCTS	220.999	67.245	153.754	879.778	140.200	739.578
OTHER	383.557	362.266	21.291	97.884	83.724	14.160
TOTAL	1.310.388	1.096.615	213.773	3.262.653	1.781.573	1.481.080
UPPER MISSISSIPPI						
LOWER MISSISSIPPI						
FARM PRODUCTS	28.682.949	28.659.641	23.308	30.584	30.584	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	692.164	689.142	3.022	488.010	488.010	0
CRUDE PETROLEUM	13.761	0	13.761	494.718	0	494.718
NON-METALLIC MIN. EX. FUELS	139.244	31.845	107.399	835.361	830.855	4.506
CHEMICALS & ALLIED PRODUCTS	204.629	48.563	156.066	3.370.995	1.866.400	1.504.595
PETROLEUM & COAL PRODUCTS	1.240.633	199.106	1.041.527	1.251.778	59.063	1.192.715
OTHER	4.759.907	4.255.419	504.488	1.098.549	693.644	404.905
TOTAL	35.733.287	33.883.716	1.849.571	7.569.995	3.968.556	3.601.439
UPPER MISSISSIPPI						
UPPER MISSISSIPPI						
FARM PRODUCTS	319.601	319.601	0	319.601	319.601	0
MARINE PRODUCTS	217	217	0	217	217	0
COAL	8.039.561	8.027.955	11.606	8.039.561	8.027.955	11.606
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	6.105.709	6.093.961	11.748	6.105.709	6.093.961	11.748
CHEMICALS & ALLIED PRODUCTS	654.544	15.913	638.631	654.544	15.913	638.631
PETROLEUM & COAL PRODUCTS	5.704.101	312.854	5.391.247	5.704.101	312.854	5.391.247
OTHER	926.867	898.611	28.256	926.867	898.611	28.256
TOTAL	21.750.600	15.669.112	6.081.488	21.750.600	15.669.112	6.081.488

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI OHIO & TRIBUTARIES						
FARM PRODUCTS	160.935	160.935	0	2.245	2.245	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	16.440	16.440	0	2.305.474	2.303.999	1.475
CRUDE PETROLEUM	11.688	0	11.688	37.577	0	37.577
NON-METALLIC MIN. EX. FUELS	116.742	118.742	0	4.558	4.558	0
CHEMICALS & ALLIED PRODUCTS	127.108	82.618	44.490	98.462	2.534	95.928
PETROLEUM & COAL PRODUCTS	1.736.110	110.781	1.625.329	505.258	85.875	419.383
OTHER	477.759	449.302	28.457	293.167	293.167	0
TOTAL	2.648.782	938.818	1.709.964	3.246.741	2.692.378	554.363
UPPER MISSISSIPPI GREAT LAKES						
FARM PRODUCTS	70.174	70.174	0	2.904	2.904	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	4.131.640	4.130.207	1.433	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	1.591.894	1.591.894	0	612.945	612.945	0
CHEMICALS & ALLIED PRODUCTS	149.544	0	149.544	37.648	0	37.648
PETROLEUM & COAL PRODUCTS	746.223	165.430	580.793	288.719	2.546	286.173
OTHER	977.325	963.715	13.610	1.063.880	478.416	585.464
TOTAL	7.666.800	6.921.420	745.380	2.006.096	1.096.811	909.285
TOTAL FOR UPPER MISSISSIPPI						
FARM PRODUCTS	29.851.676	29.828.368	23.308	358.222	358.222	0
MARINE PRODUCTS	217	217	0	12.997	12.997	0
COAL	12.927.392	12.911.331	16.061	10.833.045	10.819.964	13.081
CRUDE PETROLEUM	26.781	0	26.781	596.695	0	596.695
NON-METALLIC MIN. EX. FUELS	7.957.089	7.837.942	119.147	8.866.339	8.848.912	17.427
CHEMICALS & ALLIED PRODUCTS	1.173.221	147.094	1.026.127	5.058.806	2.120.235	2.938.571
PETROLEUM & COAL PRODUCTS	9.648.066	855.416	8.792.650	8.629.634	600.538	8.029.096
OTHER	7.525.415	6.929.313	596.102	3.480.347	2.447.562	1.032.785
TOTAL	69.109.857	58.509.681	10.600.176	37.836.085	25.208.430	12.627.655

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	1,222,812	1,222,812	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	1,222,812	1,222,812	0	0	0	0
OHIO & TRIBUTARIES GULF INLAND WATERWAYS						
FARM PRODUCTS	45,355	45,355	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2,420,971	2,420,971	0	4,857	4,857	0
CRUDE PETROLEUM	0	0	0	10,724	0	10,724
NON-METALLIC MIN. EX. FUELS	5,230	5,230	0	1,433,258	1,405,373	27,885
CHEMICALS & ALLIED PRODUCTS	180,017	1,400	178,617	2,190,589	544,536	1,646,053
PETROLEUM & COAL PRODUCTS	96,911	19,258	77,653	2,017,555	23,392	1,994,163
OTHER	598,138	598,138	0	147,825	147,825	0
TOTAL	3,346,622	3,090,352	256,270	5,804,808	2,125,983	3,678,825
OHIO & TRIBUTARIES LOWER MISSISSIPPI						
FARM PRODUCTS	4,198,103	4,194,292	3,811	6,382	6,382	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	15,842,875	15,838,450	4,425	112,570	112,570	0
CRUDE PETROLEUM	0	0	0	267,906	0	267,906
NON-METALLIC MIN. EX. FUELS	1,667,463	1,667,463	0	268,825	138,001	130,824
CHEMICALS & ALLIED PRODUCTS	143,774	17,841	125,933	2,926,576	1,383,167	1,543,409
PETROLEUM & COAL PRODUCTS	774,803	78,502	696,301	5,407,681	30,391	5,377,290
OTHER	1,232,635	1,227,069	5,566	2,028,983	1,961,315	67,668
TOTAL	23,859,653	23,023,617	836,036	11,018,923	3,631,826	7,387,097

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES						
UPPER MISSISSIPPI						
FARM PRODUCTS	2,245	2,245	0	160,935	160,935	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2,305,474	2,303,999	1,475	16,440	16,440	0
CRUDE PETROLEUM	37,577	0	37,577	11,688	0	11,688
NON-METALLIC MIN. EX. FUELS	4,558	4,558	0	118,742	118,742	0
CHEMICALS & ALLIED PRODUCTS	98,462	2,534	95,928	127,108	82,618	44,490
PETROLEUM & COAL PRODUCTS	505,258	85,875	419,383	1,736,110	110,781	1,625,329
OTHER	293,167	293,167	0	477,759	449,302	28,457
TOTAL	3,246,741	2,692,378	554,363	2,648,782	938,818	1,709,964
OHIO & TRIBUTARIES						
OHIO & TRIBUTARIES						
FARM PRODUCTS	28,537	28,537	0	28,537	28,537	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	77,969,718	77,969,718	0	77,969,718	77,969,718	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	15,930,759	15,930,759	0	15,930,759	15,930,759	0
CHEMICALS & ALLIED PRODUCTS	1,377,026	47,881	1,329,145	1,377,026	47,881	1,329,145
PETROLEUM & COAL PRODUCTS	8,298,932	59,691	8,239,241	8,298,932	59,691	8,239,241
OTHER	1,561,509	1,524,692	36,817	1,561,509	1,524,692	36,817
TOTAL	105,166,481	95,561,278	9,605,203	105,166,481	95,561,278	9,605,203
OHIO & TRIBUTARIES						
GREAT LAKES						
FARM PRODUCTS	1,408	1,408	0	1,352	1,352	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	248,770	248,770	0	0	0	0
CRUDE PETROLEUM	0	0	0	66,795	0	66,795
NON-METALLIC MIN. EX. FUELS	13,641	13,641	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	101,857	0	101,857	41,537	2,458	39,079
PETROLEUM & COAL PRODUCTS	135,640	1,210	134,430	101,992	30,093	71,899
OTHER	135,139	135,139	0	69,162	68,010	1,152
TOTAL	636,455	400,168	236,287	280,838	101,913	178,925

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

TOTAL FOR OHIO & TRIBUTARIES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	4,275,648	4,271,837	3,811	197,206	197,206	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	100,010,620	100,004,720	5,900	78,103,585	78,103,585	0
CRUDE PETROLEUM	37,577	0	37,577	357,113	0	357,113
NON-METALLIC MIN. EX. FUELS	17,621,651	17,621,651	0	17,751,584	17,592,875	158,709
CHEMICALS & ALLIED PRODUCTS	1,901,136	69,656	1,831,480	6,662,836	2,060,660	4,602,176
PETROLEUM & COAL PRODUCTS	9,811,544	244,536	9,567,008	17,562,270	254,348	17,307,922
OTHER	3,820,588	3,778,205	42,383	4,285,238	4,151,144	134,094
TOTAL	137,478,764	125,990,605	11,488,159	124,919,832	102,359,818	22,560,014

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
CALIFORNIA						
CALIFORNIA						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	391,240	391,240	0	391,240	391,240	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	3,402,865	0	3,402,865	3,402,865	0	3,402,865
NON-METALLIC MIN. EX. FUELS	689,487	689,487	0	689,487	689,487	0
CHEMICALS & ALLIED PRODUCTS	10,536	0	10,536	10,536	0	10,536
PETROLEUM & COAL PRODUCTS	6,807,827	0	6,807,827	6,807,827	0	6,807,827
OTHER	854,905	751,287	103,618	854,905	751,287	103,618
TOTAL	12,156,860	1,832,014	10,324,846	12,156,860	1,832,014	10,324,846
TOTAL FOR CALIFORNIA						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	391,240	391,240	0	391,240	391,240	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	3,402,865	0	3,402,865	3,402,865	0	3,402,865
NON-METALLIC MIN. EX. FUELS	689,487	689,487	0	689,487	689,487	0
CHEMICALS & ALLIED PRODUCTS	10,536	0	10,536	10,536	0	10,536
PETROLEUM & COAL PRODUCTS	6,807,827	0	6,807,827	6,807,827	0	6,807,827
OTHER	854,905	751,287	103,618	854,905	751,287	103,618
TOTAL	12,156,860	1,832,014	10,324,846	12,156,860	1,832,014	10,324,846

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
PACIFIC NORTHWEST						
PACIFIC NORTHWEST						
FARM PRODUCTS	3,424,682	2,369,307	1,055,375	3,424,682	2,369,307	1,055,375
MARINE PRODUCTS	92,362	92,215	147	92,362	92,215	147
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	408,920	0	408,920	408,920	0	408,920
NON-METALLIC MIN. EX. FUELS	6,965,313	6,965,300	13	6,965,313	6,965,300	13
CHEMICALS & ALLIED PRODUCTS	705,632	8,683	696,949	705,632	8,683	696,949
PETROLEUM & COAL PRODUCTS	5,690,178	129,249	5,560,929	5,690,178	129,249	5,560,929
OTHER	23,424,852	23,107,822	317,030	23,424,852	23,107,822	317,030
TOTAL	40,711,939	32,672,576	8,039,363	40,711,939	32,672,576	8,039,363
TOTAL FOR PACIFIC NORTHWEST						
FARM PRODUCTS	3,424,682	2,369,307	1,055,375	3,424,682	2,369,307	1,055,375
MARINE PRODUCTS	92,362	92,215	147	92,362	92,215	147
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	408,920	0	408,920	408,920	0	408,920
NON-METALLIC MIN. EX. FUELS	6,965,313	6,965,300	13	6,965,313	6,965,300	13
CHEMICALS & ALLIED PRODUCTS	705,632	8,683	696,949	705,632	8,683	696,949
PETROLEUM & COAL PRODUCTS	5,690,178	129,249	5,560,929	5,690,178	129,249	5,560,929
OTHER	23,424,852	23,107,822	317,030	23,424,852	23,107,822	317,030
TOTAL	40,711,939	32,672,576	8,039,363	40,711,939	32,672,576	8,039,363

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	20.172	0	20.172	0	0	0
PETROLEUM & COAL PRODUCTS	513	0	513	116.066	0	116.066
OTHER	0	0	0	0	0	0
TOTAL	20.685	0	20.685	116.066	0	116.066
GREAT LAKES ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	135	135	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	186.900	186.900	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	187.035	187.035	0	0	0	0
GREAT LAKES GULF INLAND WATERWAYS						
FARM PRODUCTS	9.906	9.906	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	6.588	0	6.588	22.214	0	22.214
NON-METALLIC MIN. EX. FUELS	0	0	0	657.896	657.896	0
CHEMICALS & ALLIED PRODUCTS	44.763	0	44.763	727.715	17.657	710.058
PETROLEUM & COAL PRODUCTS	50.215	0	50.215	812.010	35.434	776.576
OTHER	316.496	262.812	53.684	181.376	181.376	0
TOTAL	427.963	272.718	155.250	2.401.211	892.363	1.508.848

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES LOWER MISSISSIPPI						
FARM PRODUCTS	778,192	778,192	0	1,402	1,402	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	147,446	147,446	0
CRUDE PETROLEUM	0	0	0	32,938	0	32,938
NON-METALLIC MIN. EX. FUELS	0	0	0	49,754	49,754	0
CHEMICALS & ALLIED PRODUCTS	73,687	2,810	70,877	748,878	27,573	721,305
PETROLEUM & COAL PRODUCTS	127,940	0	127,940	632,472	19,778	612,694
OTHER	1,021,115	959,355	61,760	1,178,821	1,127,201	51,620
TOTAL	2,000,934	1,740,357	260,577	2,791,711	1,373,154	1,418,557
GREAT LAKES UPPER MISSISSIPPI						
FARM PRODUCTS	2,904	2,904	0	70,174	70,174	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	4,131,640	4,130,207	1,433
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	612,945	612,945	0	1,591,894	1,591,894	0
CHEMICALS & ALLIED PRODUCTS	37,648	0	37,648	149,544	0	149,544
PETROLEUM & COAL PRODUCTS	288,719	2,546	286,173	746,223	165,430	580,793
OTHER	1,063,880	478,416	585,464	977,325	963,715	13,610
TOTAL	2,006,096	1,096,811	909,285	7,666,800	6,921,420	745,380
GREAT LAKES OHIO & TRIBUTARIES						
FARM PRODUCTS	1,352	1,352	0	1,408	1,408	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	248,770	248,770	0
CRUDE PETROLEUM	66,795	0	66,795	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	13,641	13,641	0
CHEMICALS & ALLIED PRODUCTS	41,537	2,458	39,079	101,857	0	101,857
PETROLEUM & COAL PRODUCTS	101,992	30,093	71,899	135,640	1,210	134,430
OTHER	69,162	68,010	1,152	135,139	135,139	0
TOTAL	280,838	101,913	178,925	636,455	400,168	236,287

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1977

(SHORT TONS)

TOTAL FOR GREAT LAKES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	792,354	792,354	0	72,984	72,984	0
MARINE PRODUCTS	135	135	0	0	0	0
COAL	0	0	0	4,527,856	4,526,423	1,433
CRUDE PETROLEUM	73,383	0	73,383	55,152	0	55,152
NON-METALLIC MIN. EX. FUELS	799,845	799,845	0	2,313,185	2,313,185	0
CHEMICALS & ALLIED PRODUCTS	217,807	5,268	212,539	1,727,994	45,230	1,682,764
PETROLEUM & COAL PRODUCTS	569,379	32,639	536,740	2,442,411	221,852	2,220,559
OTHER	2,470,653	1,768,593	702,060	2,472,661	2,407,431	65,230
TOTAL	4,923,556	3,398,834	1,524,722	13,612,243	9,587,105	4,025,138

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U.S. INLAND WATERWAYS COMMERCE BY SHIPPING AREA AND TYPE OF VESSEL FOR 1978 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
DRY	8,880,960	424,285	1,503,457	5,670,019	145,303	3,201	0	810,595	96,095	228,005
TANK	14,070,433	9,262,465	747,385	418,585	119,356	0	3,591	3,110,516	408,535	0
TOTAL SELF-PROP.	22,951,393	9,686,750	2,250,842	6,088,604	264,659	3,201	3,591	3,921,111	504,630	228,005
DRY	324,850,635	9,175,344	11,767,534	41,338,588	40,239,998	62,893,280	117,481,009	760,867	37,836,342	2,957,673
TANK	267,539,305	56,921,329	43,305,563	76,431,240	52,903,344	10,498,996	12,558,057	4,063,771	9,177,311	1,679,694
TOTAL NON-SELF-PROP.	592,389,940	66,096,673	55,073,097	117,769,828	93,143,342	73,392,276	130,439,066	4,824,638	47,013,653	4,637,367
TOTAL SHIPPING	615,341,333	75,783,423	57,323,939	123,858,432	93,408,001	73,395,477	130,442,657	8,745,749	47,518,283	4,865,372

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

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U.S. INLAND WATERWAYS COMMERCE BY RECEIVING AREA AND TYPE OF VESSEL FOR 1978 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
DRY	8.880.960	416.505	1.740.744	5.651.764	147.590	2.843	11.966	810.595	96.095	2.858
TANK	14.070.433	9.283.697	726.153	416.249	121.692	0	3.59[illegible]	3.110.516	408.535	0
TOTAL SELF-PROP	22.951.393	9.700.202	2.466.897	6.068.013	269.282	2.843	15.557	3.921.111	504.630	2.858
DRY	324.850.635	9.905.676	12.399.089	36.680.457	95.305.978	24.807.911	99.539.974	760.367	37.536.342	7.614.341
TANK	267.539.305	57.541.287	43.671.483	59.182.384	53.890.216	12.532.231	23.909.550	4.063.771	9.177.311	3.571.072
TOTAL NON-SELF-PROP.	592.389.940	67.446.963	56.070.572	95.862.841	149.196.194	37.340.142	123.449.524	4.824.638	47.013.653	11.185.413
TOTAL RECEIVING	615.341.333	77.147.165	58.537.469	101.930.854	149.465.476	37.342.985	123.465.081	8.745.749	47.518.283	11.188.271

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

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U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN TANK VESSELS FOR 1978 *

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	66.183.794	61.594.262	4.510.058	0	0	0	0	0	0	79.474
ATL. I.W.	44.052.948	5.218.093	38.834.855	0	0	0	0	0	0	0
GULF I.W.	76.849.825	0	964.753	48.431.051	20.975.859	1.170.034	3.775.561	0	0	1.532.567
LOWER MISS.	53.022.700	0	87.970	10.596.824	29.646.721	3.575.279	7.817.530	0	0	1.298.376
UPPER MISS.	10.498.996	0	0	150.843	2.144.033	6.070.561	1.576.698	0	0	556.836
OHIO & TRIB.	12.561.648	0	0	318.477	997.658	538.011	10.603.383	0	0	103.819
CALIFORNIA	7.174.287	0	0	0	0	0	0	7.174.287	0	0
PACIFIC N.W.	9.585.846	0	0	0	0	0	0	0	9.585.846	0
GREAT LAKES	1.679.694	12.629	0	101.438	247.612	1.179.046	139.969	0	0	0
TOTAL TANK VESSELS	281.509.738	66.824.984	44.397.636	59.598.633	54.011.908	12.532.231	23.913.141	7.174.287	9.585.846	3.571.072

INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN DRY VESSELS FOR 1978 *

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	9.599.629	9.552.489	44.858	0	0	0	0	0	0	2.282
ATL. I.W.	13.270.991	769.692	12.477.454	18.174	5.141	530	0	0	0	0
GULF I.W.	47.008.607	0	354.772	36.970.296	4.242.660	2.284.762	2.326.955	0	0	828.956
LOWER MISS.	40.385.301	0	280.102	2.033.636	26.665.208	4.342.537	5.246.340	0	0	1.817.478
UPPER MISS.	62.836.481	0	0	1.188.831	41.609.421	14.515.746	837.177	0	0	4.745.304
OHIO & TRIB.	117.881.000	0	754.342	1.809.424	21.645.434	2.406.426	91.039.904	0	0	223.179
CALIFORNIA	1.571.462	0	0	0	0	0	0	1.571.462	0	0
PACIFIC N.W.	37.932.437	0	0	0	0	0	0	0	37.932.437	0
GREAT LAKES	3.185.678	0	228.005	311.860	1.285.498	1.258.751	101.564	0	0	0
TOTAL DRY VESSELS	333.731.595	10.322.181	14.139.833	42.332.221	95.453.568	24.810.754	99.551.940	1.571.462	37.932.437	7.617.199

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
NORTH EASTERN						
NORTH EASTERN						
FARM PRODUCTS	144,497	144,497	0	144,497	144,497	0
MARINE PRODUCTS	296,949	296,949	0	296,949	296,949	0
COAL	608,188	608,188	0	608,188	608,188	0
CRUDE PETROLEUM	3,616,270	0	3,616,270	3,616,270	0	3,616,270
NON-METALLIC MIN. EX. FUELS	4,089,465	3,938,272	150,193	4,088,465	3,938,272	150,193
CHEMICALS & ALLIED PRODUCTS	332,223	15,396	316,827	332,223	15,396	316,827
PETROLEUM & COAL PRODUCTS	50,957,235	26,001	50,931,234	50,957,235	26,001	50,931,234
OTHER	11,102,924	4,523,186	6,579,738	11,102,924	4,523,186	6,579,738
TOTAL	71,146,751	9,552,489	61,594,262	71,146,751	9,552,489	61,594,262
NORTH EASTERN						
ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	11,700	11,700	0	3,632	3,632	0
COAL	0	0	0	752,576	752,576	0
CRUDE PETROLEUM	79,512	0	79,512	2,192,198	0	2,192,198
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	167,269	0	167,269	202,215	0	202,215
PETROLEUM & COAL PRODUCTS	4,270,242	6,965	4,263,277	2,461,505	542	2,460,963
OTHER	26,193	26,193	0	375,659	12,942	362,717
TOTAL	4,554,916	44,858	4,510,058	5,987,785	769,692	5,218,093
NORTH EASTERN						
GREAT LAKES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	12,629	0	12,629
PETROLEUM & COAL PRODUCTS	81,756	2,282	79,474	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	81,756	2,282	79,474	12,629	0	12,629

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

TOTAL FOR NORTH EASTERN	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	144,497	144,497	0	144,497	144,497	0
MARINE PRODUCTS	308,649	308,649	0	300,581	300,581	0
COAL	608,188	608,188	0	1,360,764	1,360,764	0
CRUDE PETROLEUM	3,695,782	0	3,695,782	5,808,468	0	5,808,468
NON-METALLIC MIN. EX. FUELS	4,088,465	3,938,272	150,193	4,088,465	3,938,272	150,193
CHEMICALS & ALLIED PRODUCTS	499,492	15,396	484,096	547,067	15,396	531,671
PETROLEUM & COAL PRODUCTS	55,309,233	35,248	55,273,985	53,418,740	26,543	53,392,197
OTHER	11,129,117	4,549,379	6,579,738	11,478,583	4,536,128	6,942,455
TOTAL	75,783,423	9,599,629	66,183,794	77,147,165	10,322,181	66,824,984

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	3,632	3,632	0	11,700	11,700	0
COAL	752,576	752,576	0	0	0	0
CRUDE PETROLEUM	2,192,198	0	2,192,198	79,512	0	79,512
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	202,215	0	202,215	167,269	0	167,269
PETROLEUM & COAL PRODUCTS	2,461,505	542	2,460,963	4,270,242	6,965	4,263,277
OTHER	375,659	12,942	362,717	26,193	26,193	0
TOTAL	5,987,785	769,692	5,218,093	4,554,916	44,858	4,510,058
ATLANTIC INLAND WATERWAYS ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	403,193	403,193	0	403,193	403,193	0
MARINE PRODUCTS	1,236,940	1,236,940	0	1,236,940	1,236,940	0
COAL	2,336,415	2,336,415	0	2,336,415	2,336,415	0
CRUDE PETROLEUM	9,718,560	0	9,718,560	9,718,560	0	9,718,560
NON-METALLIC MIN. EX. FUELS	5,284,701	4,697,951	586,750	5,284,701	4,697,951	586,750
CHEMICALS & ALLIED PRODUCTS	2,139,155	896,348	1,242,807	2,139,155	896,348	1,242,807
PETROLEUM & COAL PRODUCTS	26,926,540	51,124	26,875,416	26,926,540	51,124	26,875,416
OTHER	3,266,805	2,855,483	411,322	3,266,805	2,855,483	411,322
TOTAL	51,312,309	12,477,454	38,834,855	51,312,309	12,477,454	38,834,855
ATLANTIC INLAND WATERWAYS GULF INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	353	353	0	1,056	1,056	0
COAL	0	0	0	346,534	346,534	0
CRUDE PETROLEUM	0	0	0	5,117	0	5,117
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	202,145	2,613	199,532
PETROLEUM & COAL PRODUCTS	0	0	0	760,104	0	760,104
OTHER	17,821	17,821	0	4,569	4,569	0
TOTAL	18,174	18,174	0	1,319,525	354,772	964,753

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS LOWER MISSISSIPPI						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	277.547	277.547	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	71,900	0	71,900
PETROLEUM & COAL PRODUCTS	974	974	0	18.625	2.555	16.070
OTHER	4,167	4,167	0	0	0	0
TOTAL	5,141	5,141	0	368.072	280.102	87.970
ATLANTIC INLAND WATERWAYS UPPER MISSISSIPPI						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	530	530	0	0	0	0
TOTAL	530	530	0	0	0	0
ATLANTIC INLAND WATERWAYS OHIO & TRIBUTARIES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	754.642	754.642	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	754.642	754.642	0

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

ATLANTIC INLAND WATERWAYS GREAT LAKES	SHIPPING TOTAL	SHIPPING DRY	SHIPPING TANK	RECEIVING TOTAL	RECEIVING DRY	RECEIVING TANK
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	152	152	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX FUELS	0	0	0	227,853	227,853	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	228,005	228,005	0

TOTAL FOR ATLANTIC INLAND WATERWAYS	SHIPPING TOTAL	SHIPPING DRY	SHIPPING TANK	RECEIVING TOTAL	RECEIVING DRY	RECEIVING TANK
FARM PRODUCTS	403,193	403,193	0	403,193	403,193	0
MARINE PRODUCTS	1,240,925	1,240,925	0	1,249,848	1,249,848	0
COAL	3,088,991	3,088,991	0	3,715,138	3,715,138	0
CRUDE PETROLEUM	11,910,758	0	11,910,758	9,803,189	0	9,803,189
NON-METALLIC MIN. EX. FUELS	5,284,701	4,697,951	586,750	5,512,554	4,925,804	586,750
CHEMICALS & ALLIED PRODUCTS	2,341,370	896,348	1,445,022	2,580,469	898,961	1,681,508
PETROLEUM & COAL PRODUCTS	29,389,019	52,640	29,336,379	31,975,511	60,644	31,914,867
OTHER	3,664,982	2,890,943	774,039	3,297,567	2,886,245	411,322
TOTAL	57,323,939	13,270,991	44,052,948	58,537,469	14,139,833	44,397,636

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS						
ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	1,056	1,056	0	353	353	0
COAL	346,534	346,534	0	0	0	0
CRUDE PETROLEUM	5,117	0	5,117	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	202,145	2,613	199,532	0	0	0
PETROLEUM & COAL PRODUCTS	760,104	0	760,104	0	0	0
OTHER	4,569	4,569	0	17,821	17,821	0
TOTAL	1,319,525	354,772	964,753	18,174	18,174	0
GULF INLAND WATERWAYS						
GULF INLAND WATERWAYS						
FARM PRODUCTS	610,915	610,915	0	610,915	610,915	0
MARINE PRODUCTS	10,061,596	9,999,883	61,713	10,061,596	9,999,883	61,713
COAL	7,125,911	7,125,911	0	7,125,911	7,125,911	0
CRUDE PETROLEUM	16,949,931	4,379	16,945,552	16,949,931	4,379	16,945,552
NON-METALLIC MIN. EX. FUELS	8,359,211	6,992,570	1,366,641	8,359,211	6,992,570	1,366,641
CHEMICALS & ALLIED PRODUCTS	8,465,052	753,421	7,711,631	8,465,052	753,421	7,711,631
PETROLEUM & COAL PRODUCTS	22,071,433	741,890	21,329,543	22,071,433	741,890	21,329,543
OTHER	11,757,298	10,741,327	1,015,971	11,757,298	10,741,327	1,015,971
TOTAL	85,401,347	36,970,296	48,431,051	85,401,347	36,970,296	48,431,051
GULF INLAND WATERWAYS						
LOWER MISSISSIPPI						
FARM PRODUCTS	672,112	672,112	0	190,418	190,418	0
MARINE PRODUCTS	569,961	517,961	52,000	1,741	1,741	0
COAL	84,447	84,447	0	414,110	414,110	0
CRUDE PETROLEUM	7,399,867	17,872	7,381,995	4,176,367	0	4,176,367
NON-METALLIC MIN. EX. FUELS	2,167,965	1,139,009	1,028,956	577,162	456,526	120,636
CHEMICALS & ALLIED PRODUCTS	3,314,753	598,511	2,716,242	2,082,878	188,907	1,893,971
PETROLEUM & COAL PRODUCTS	9,957,125	255,339	9,701,786	4,467,540	145,840	4,321,700
OTHER	1,052,495	957,615	94,880	720,244	636,094	84,150
TOTAL	25,218,725	4,242,866	20,975,859	12,630,460	2,033,636	10,596,824

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS UPPER MISSISSIPPI						
FARM PRODUCTS	3,164	3,164	0	548,735	548,735	0
MARINE PRODUCTS	15,636	15,636	0	0	0	0
COAL	12,490	12,490	0	209,602	209,602	0
CRUDE PETROLEUM	25,005	0	25,005	0	0	0
NON-METALLIC MIN. EX FUELS	1,870,275	1,867,496	2,779	149,259	149,259	0
CHEMICALS & ALLIED PRODUCTS	736,893	194,096	542,797	47,196	1,548	45,648
PETROLEUM & COAL PRODUCTS	614,818	31,654	583,164	98,004	12,488	85,516
OTHER	176,515	160,226	16,289	286,878	267,199	19,679
TOTAL	3,454,796	2,284,762	1,170,034	1,339,674	1,188,831	150,843
GULF INLAND WATERWAYS OHIO & TRIBUTARIES						
FARM PRODUCTS	1,919	1,919	0	70,893	70,893	0
MARINE PRODUCTS	5,818	5,818	0	0	0	0
COAL	4,239	4,239	0	1,044,618	1,044,618	0
CRUDE PETROLEUM	50,282	0	50,282	0	0	0
NON-METALLIC MIN. EX. FUELS	1,642,582	1,595,355	47,227	17,444	17,444	0
CHEMICALS & ALLIED PRODUCTS	2,209,608	463,678	1,745,930	190,523	4,232	186,291
PETROLEUM & COAL PRODUCTS	1,963,159	34,537	1,928,622	143,048	15,304	127,744
OTHER	224,909	221,409	3,500	661,375	656,933	4,442
TOTAL	6,102,516	2,326,955	3,775,561	2,127,901	1,809,424	318,477
GULF INLAND WATERWAYS GREAT LAKES						
FARM PRODUCTS	0	0	0	6,039	6,039	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	9,948	9,948	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	640,570	640,570	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	869,243	44,171	825,072	43,494	1,125	42,369
PETROLEUM & COAL PRODUCTS	743,179	38,851	704,328	56,686	33,681	23,005
OTHER	98,583	95,416	3,167	307,079	271,015	36,064
TOTAL	2,361,523	828,956	1,532,567	413,298	311,860	101,438

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

TOTAL FOR GULF INLAND WATERWAYS	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	1,288,110	1,288,110	0	1,427,000	1,427,000	0
MARINE PRODUCTS	10,654,067	10,540,354	113,713	10,063,690	10,001,977	61,713
COAL	7,583,569	7,583,569	0	8,794,241	8,794,241	0
CRUDE PETROLEUM	24,430,202	22,251	24,407,951	21,126,298	4,379	21,121,919
NON-METALLIC MIN. EX. FUELS	14,680,603	12,235,000	2,445,603	9,103,076	7,615,799	1,487,277
CHEMICALS & ALLIED PRODUCTS	15,797,694	2,056,490	13,741,204	10,829,143	949,233	9,879,910
PETROLEUM & COAL PRODUCTS	36,109,818	1,102,271	35,007,547	26,636,711	949,203	25,887,508
OTHER	13,314,369	12,180,562	1,133,807	13,750,695	12,590,389	1,160,306
TOTAL	123,858,432	47,008,607	76,849,825	101,930,854	42,332,221	59,598,633

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	277,547	277,547	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	71,900	0	71,900	0	0	0
PETROLEUM & COAL PRODUCTS	18,625	2,555	16,070	974	974	0
OTHER	0	0	0	4,167	4,167	0
TOTAL	368,072	280,102	87,970	5,141	5,141	0
LOWER MISSISSIPPI GULF INLAND WATERWAYS						
FARM PRODUCTS	190,418	190,418	0	672,112	672,112	0
MARINE PRODUCTS	1,741	1,741	0	569,961	517,961	52,000
COAL	414,110	414,110	0	84,447	84,447	0
CRUDE PETROLEUM	4,176,367	0	4,176,367	7,399,867	17,872	7,381,995
NON-METALLIC MIN. EX. FUELS	577,162	456,526	120,636	2,167,965	1,139,079	1,028,886
CHEMICALS & ALLIED PRODUCTS	2,082,878	188,907	1,893,971	3,314,753	598,511	2,716,242
PETROLEUM & COAL PRODUCTS	4,467,540	145,840	4,321,700	9,957,125	255,339	9,701,786
OTHER	720,241	636,094	84,150	1,052,455	957,615	94,680
TOTAL	12,630,460	2,033,636	10,596,824	25,218,725	4,242,866	20,975,859
LOWER MISSISSIPPI LOWER MISSISSIPPI						
FARM PRODUCTS	5,078,242	5,069,425	8,817	5,078,242	5,069,425	8,817
MARINE PRODUCTS	475	475	0	475	475	0
COAL	4,273,567	4,264,175	9,392	4,273,567	4,264,175	9,392
CRUDE PETROLEUM	7,158,058	0	7,158,058	7,158,058	0	7,158,058
NON-METALLIC MIN. EX. FUELS	10,898,062	9,943,839	954,223	10,898,062	9,943,839	954,223
CHEMICALS & ALLIED PRODUCTS	4,347,879	1,145,828	3,202,051	4,347,879	1,145,828	3,202,051
PETROLEUM & COAL PRODUCTS	18,358,697	473,064	17,885,633	18,358,697	473,064	17,885,633
OTHER	6,196,949	5,768,402	428,547	6,196,949	5,768,402	428,547
TOTAL	56,311,929	26,665,208	29,646,721	56,311,929	26,665,208	29,646,721

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI UPPER MISSISSIPPI						
FARM PRODUCTS	37,020	37,020	0	33,173,485	33,140,133	33,352
MARINE PRODUCTS	0	0	0	0	0	0
COAL	483,209	481,803	1,406	2,580,899	2,580,899	0
CRUDE PETROLEUM	647,980	0	647,980	37,931	0	37,931
NON-METALLIC MIN. EX. FUELS	773,295	773,295	0	356,588	279,278	77,310
CHEMICALS & ALLIED PRODUCTS	3,279,372	1,783,679	1,495,693	195,583	80,555	115,028
PETROLEUM & COAL PRODUCTS	1,651,184	485,424	1,165,760	1,519,337	170,186	1,349,151
OTHER	1,045,756	781,316	264,440	5,889,656	5,358,370	531,286
TOTAL	7,917,816	4,342,537	3,575,279	43,753,479	41,609,421	2,144,058
LOWER MISSISSIPPI OHIO & TRIBUTARIES						
FARM PRODUCTS	11,153	11,153	0	4,076,160	4,072,214	3,946
MARINE PRODUCTS	0	0	0	0	0	0
COAL	424,779	424,779	0	13,559,603	13,552,141	7,462
CRUDE PETROLEUM	412,739	11,966	400,773	34,497	0	34,497
NON-METALLIC MIN. EX. FUELS	582,726	482,153	100,573	1,741,390	1,739,972	1,418
CHEMICALS & ALLIED PRODUCTS	3,352,966	1,603,408	1,749,558	206,947	35,858	171,089
PETROLEUM & COAL PRODUCTS	5,704,118	190,140	5,513,978	730,390	40,612	689,778
OTHER	2,575,389	2,522,741	52,648	2,294,105	2,204,637	89,468
TOTAL	13,063,870	5,246,340	7,817,530	22,643,092	21,645,434	997,658
LOWER MISSISSIPPI GREAT LAKES						
FARM PRODUCTS	0	0	0	438,482	438,482	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	11,234	11,234	0	6,755	6,755	0
CRUDE PETROLEUM	26,657	0	26,657	0	0	0
NON-METALLIC MIN. EX. FUELS	81,481	80,022	1,459	0	0	0
CHEMICALS & ALLIED PRODUCTS	824,252	42,217	782,035	71,208	2,944	68,264
PETROLEUM & COAL PRODUCTS	932,804	463,945	468,861	151,459	36,885	114,574
OTHER	1,229,426	1,220,062	19,364	865,206	800,432	64,774
TOTAL	3,115,854	1,817,478	1,298,376	1,533,110	1,285,498	247,612

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

TOTAL FOR LOWER MISSISSIPPI	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	5,316,833	5,308,016	8,817	43,438,481	43,392,366	46,115
MARINE PRODUCTS	2,216	2,216	0	570,435	518,436	52,000
COAL	5,884,446	5,873,648	10,798	20,505,271	20,488,417	16,854
CRUDE PETROLEUM	12,421,891	11,966	12,409,835	14,630,353	17,872	14,612,481
NON-METALLIC MIN. EX. FUELS	12,912,726	11,735,835	1,176,891	15,164,005	13,102,098	2,061,907
CHEMICALS & ALLIED PRODUCTS	13,959,247	4,764,039	9,195,208	8,136,370	1,863,696	6,272,674
PETROLEUM & COAL PRODUCTS	31,132,968	1,760,966	29,372,002	30,717,982	977,060	29,740,922
OTHER	11,777,764	10,926,615	849,149	16,302,578	15,093,623	1,208,955
TOTAL	93,408,001	40,385,301	53,022,700	149,465,476	95,453,568	54,011,908

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	530	530	0
TOTAL	0	0	0	530	530	0
UPPER MISSISSIPPI GULF INLAND WATERWAYS						
FARM PRODUCTS	548.735	548.735	0	3.164	3.164	0
MARINE PRODUCTS	0	0	0	15.636	15.636	0
COAL	209.602	209.602	0	12.490	12.490	0
CRUDE PETROLEUM	0	0	0	25.005	0	25.005
NON-METALLIC MIN. EX. FUELS	149.259	149.259	0	1.870.275	1.867.496	2.779
CHEMICALS & ALLIED PRODUCTS	47.196	1.548	45.648	736.893	194.096	542.797
PETROLEUM & COAL PRODUCTS	98.004	12.488	85.516	614.818	31.654	593.164
OTHER	286.878	267.199	19.679	176.515	160.226	16.289
TOTAL	1.339.674	1.188.831	150.843	3.454.796	2.284.762	1.170.034
UPPER MISSISSIPPI LOWER MISSISSIPPI						
FARM PRODUCTS	33.173.485	33.140.133	33.352	37.020	37.020	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2.580.899	2.580.899	0	483.209	481.803	1.406
CRUDE PETROLEUM	37.931	0	37.931	647.980	0	647.980
NON-METALLIC MIN. EX. FUELS	356.588	279.278	77.310	773.295	773.295	0
CHEMICALS & ALLIED PRODUCTS	195.583	80.555	115.028	3.279.372	1.783.679	1.495.693
PETROLEUM & COAL PRODUCTS	1.519.337	170.186	1.349.151	1.651.184	485.424	1.165.760
OTHER	5.889.656	5.358.370	531.286	1.045.756	781.316	264.440
TOTAL	43.753.479	41.609.421	2.144.058	7.917.816	4.342.537	3.575.279

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(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI						
UPPER MISSISSIPPI						
FARM PRODUCTS	348.686	348.686	0	348.686	348.686	0
MARINE PRODUCTS	343	343	0	343	343	0
COAL	5.799.151	5.796.122	3.029	5.799.151	5.796.122	3.029
CRUDE PETROLEUM	76.632	0	76.632	76.632	0	76.632
NON-METALLIC MIN. EX. FUELS	7.158.696	7.158.696	0	7.158.696	7.158.696	0
CHEMICALS & ALLIED PRODUCTS	564.457	20.142	544.315	564.457	20.142	544.315
PETROLEUM & COAL PRODUCTS	5.661.097	238.851	5.422.246	5.661.097	238.851	5.422.246
OTHER	977.247	952.908	24.339	977.247	952.908	24.339
TOTAL	20.586.309	14.515.748	6.070.561	20.586.309	14.515.748	6.070.561
UPPER MISSISSIPPI						
OHIO & TRIBUTARIES						
FARM PRODUCTS	212.264	212.264	0	2.971	2.971	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	8.593	8.593	0	2.099.220	2.099.220	0
CRUDE PETROLEUM	15.014	0	15.014	0	0	0
NON-METALLIC MIN. EX. FUELS	17.453	17.453	0	13.680	13.680	0
CHEMICALS & ALLIED PRODUCTS	121.086	47.063	74.023	121.543	3.366	118.177
PETROLEUM & COAL PRODUCTS	1.532.054	74.107	1.457.947	432.003	13.813	418.190
OTHER	507.411	477.697	29.714	277.320	275.376	1.944
TOTAL	2.413.875	837.177	1.576.698	2.946.737	2.408.426	538.311
UPPER MISSISSIPPI						
GREAT LAKES						
FARM PRODUCTS	26.227	26.227	0	4.495	4.495	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2.821.249	2.821.249	0	2.807	2.807	0
CRUDE PETROLEUM	0	0	0	9.652	0	9.652
NON-METALLIC MIN. EX. FUELS	1.176.912	1.176.912	0	821.325	821.325	0
CHEMICALS & ALLIED PRODUCTS	183.685	2.850	180.835	63.833	2.837	60.996
PETROLEUM & COAL PRODUCTS	613.830	248.361	365.469	130.673	1.412	129.261
OTHER	480.237	469.705	10.532	1.404.012	425.875	978.137
TOTAL	5.302.140	4.745.304	556.836	2.436.797	1.258.751	1.178.046

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

TOTAL FOR UPPER MISSISSIPPI	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	34,309,397	34,276,045	33,352	396,336	396,336	0
MARINE PRODUCTS	343	343	0	15,979	15,979	0
COAL	11,419,494	11,416,465	3,029	8,396,877	8,392,442	4,435
CRUDE PETROLEUM	129,577	0	129,577	759,269	0	759,269
NON-METALLIC MIN. EX. FUELS	8,858,903	8,781,596	77,310	10,637,271	10,634,492	2,779
CHEMICALS & ALLIED PRODUCTS	1,112,007	152,158	959,849	4,766,099	2,004,120	2,761,978
PETROLEUM & COAL PRODUCTS	9,424,322	743,693	8,680,329	8,489,775	771,154	7,718,621
OTHER	8,141,429	7,525,879	615,550	3,881,380	2,596,231	1,285,149
TOTAL	73,395,477	62,896,481	10,498,996	37,342,985	24,810,754	12,532,231

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	754,642	754,642	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	754,642	754,642	0	0	0	0
OHIO & TRIBUTARIES GULF INLAND WATERWAYS						
FARM PRODUCTS	70,893	70,893	0	1,919	1,919	0
MARINE PRODUCTS	0	0	0	5,818	5,818	0
COAL	1,044,618	1,044,618	0	4,239	4,239	0
CRUDE PETROLEUM	0	0	0	59,282	0	59,282
NON-METALLIC MIN. EX. FUELS	17,444	17,444	0	1,642,582	1,595,355	47,227
CHEMICALS & ALLIED PRODUCTS	190,523	4,232	186,291	2,209,608	463,678	1,745,930
PETROLEUM & COAL PRODUCTS	143,048	15,304	127,744	1,963,159	34,537	1,928,622
OTHER	661,375	656,933	4,442	224,909	221,409	3,500
TOTAL	2,127,901	1,809,424	318,477	6,102,516	2,326,955	3,775,561
OHIO & TRIBUTARIES LOWER MISSISSIPPI						
FARM PRODUCTS	4,076,160	4,072,214	3,946	11,153	11,153	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	13,959,603	13,552,141	7,462	424,779	424,779	0
CRUDE PETROLEUM	34,497	0	34,497	412,739	11,966	400,773
NON-METALLIC MIN. EX. FUELS	1,741,390	1,739,972	1,418	582,726	482,153	100,573
CHEMICALS & ALLIED PRODUCTS	206,947	35,858	171,089	3,352,966	1,603,408	1,749,558
PETROLEUM & COAL PRODUCTS	730,390	40,612	689,778	5,704,118	190,140	5,513,978
OTHER	2,294,105	2,204,637	89,468	2,575,389	2,522,741	52,648
TOTAL	22,643,092	21,645,434	997,658	13,063,870	5,246,340	7,817,530

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES						
UPPER MISSISSIPPI						
FARM PRODUCTS	2.971	2.971	0	212.264	212.264	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2.099.220	2.099.220	0	8.593	8.593	0
CRUDE PETROLEUM	0	0	0	15.014	0	15.014
NON-METALLIC MIN. EX. FUELS	13.680	13.680	0	17.453	17.453	0
CHEMICALS & ALLIED PRODUCTS	121.543	3.346	118.177	121.086	47.063	74.023
PETROLEUM & COAL PRODUCTS	432.003	13.813	418.190	1.532.054	74.107	1.457.947
OTHER	277.320	275.376	1.944	507.411	477.697	29.714
TOTAL	2.946.737	2.406.426	538.311	2.413.875	837.177	1.576.698
OHIO & TRIBUTARIES						
OHIO & TRIBUTARIES						
FARM PRODUCTS	50.976	50.976	0	50.976	50.976	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	71.067.429	71.056.153	11.276	71.067.429	71.056.153	11.276
CRUDE PETROLEUM	32.668	0	32.668	32.668	0	32.668
NON-METALLIC MIN. EX. FUELS	17.758.453	17.756.915	1.538	17.758.453	17.756.915	1.538
CHEMICALS & ALLIED PRODUCTS	1.369.598	91.200	1.278.398	1.369.598	91.200	1.278.398
PETROLEUM & COAL PRODUCTS	9.278.511	41.537	9.236.974	9.278.511	41.537	9.236.974
OTHER	2.085.652	2.043.123	42.529	2.085.652	2.043.123	42.529
TOTAL	101.643.287	91.039.904	10.603.383	101.643.287	91.039.904	10.603.383
OHIO & TRIBUTARIES						
GREAT LAKES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	57.610	57.610	0	1.550	1.550	0
CRUDE PETROLEUM	0	0	0	34.316	0	34.316
NON-METALLIC MIN. EX. FUELS	8.262	8.262	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	84.745	2.800	81.945	36.107	1.400	34.707
PETROLEUM & COAL PRODUCTS	21.874	0	21.874	109.275	38.329	70.946
OTHER	154.407	154.407	0	60.285	60.285	0
TOTAL	326.996	223.179	103.819	241.533	101.564	139.969

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

TOTAL FOR OHIO & TRIBUTARIES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	4,201,000	4,197,054	3,946	276,312	276,312	0
MARINE PRODUCTS	0	0	0	5,818	5,818	0
COAL	88,583,122	88,564,384	18,738	71,506,590	71,495,314	11,276
CRUDE PETROLEUM	67,165	0	67,165	545,019	11,966	533,053
NON-METALLIC MIN. EX. FUELS	19,539,329	19,536,373	2,956	20,001,214	19,851,876	149,338
CHEMICALS & ALLIED PRODUCTS	1,973,356	137,456	1,835,900	7,089,365	2,206,749	4,882,616
PETROLEUM & COAL PRODUCTS	10,605,826	111,266	10,494,560	18,587,117	378,650	18,208,467
OTHER	5,472,859	5,334,476	138,383	5,453,646	5,325,255	128,391
TOTAL	130,442,657	117,881,009	12,561,648	123,465,081	99,551,940	23,913,141

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

CALIFORNIA CALIFORNIA	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	403,919	403,919	0	403,919	403,919	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	2,860,144	0	2,860,144	2,860,144	0	2,860,144
NON-METALLIC MIN. EX. FUELS	675,185	675,185	0	675,185	675,185	0
CHEMICALS & ALLIED PRODUCTS	13,726	2,037	11,689	13,726	2,037	11,689
PETROLEUM & COAL PRODUCTS	4,225,454	0	4,225,454	4,225,454	0	4,225,454
OTHER	567,321	490,321	77,000	567,321	490,321	77,000
TOTAL	8,745,749	1,571,462	7,174,287	8,745,749	1,571,462	7,174,287

TOTAL FOR CALIFORNIA	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	403,919	403,919	0	403,919	403,919	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	2,860,144	0	2,860,144	2,860,144	0	2,860,144
NON-METALLIC MIN. EX. FUELS	675,185	675,185	0	675,185	675,185	0
CHEMICALS & ALLIED PRODUCTS	13,726	2,037	11,689	13,726	2,037	11,689
PETROLEUM & COAL PRODUCTS	4,225,454	0	4,225,454	4,225,454	0	4,225,454
OTHER	567,321	490,321	77,000	567,321	490,321	77,000
TOTAL	8,745,749	1,571,462	7,174,287	8,745,749	1,571,462	7,174,287

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

PACIFIC NORTHWEST PACIFIC NORTHWEST	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	4,345,486	2,954,474	1,391,012	4,345,486	2,954,474	1,391,012
MARINE PRODUCTS	50,835	50,537	298	50,835	50,537	298
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	1,035,088	205,960	829,128	1,035,088	205,960	829,128
NON-METALLIC MIN. EX. FUELS	11,196,055	11,196,055	0	11,196,055	11,196,055	0
CHEMICALS & ALLIED PRODUCTS	632,618	14,709	617,909	632,618	14,709	617,909
PETROLEUM & COAL PRODUCTS	6,734,169	227,284	6,506,885	6,734,169	227,284	6,506,885
OTHER	23,524,032	23,283,418	240,614	23,524,032	23,283,418	240,614
TOTAL	47,518,283	37,932,437	9,585,846	47,518,283	37,932,437	9,585,846

TOTAL FOR PACIFIC NORTHWEST	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	4,345,486	2,954,474	1,391,012	4,345,486	2,954,474	1,391,012
MARINE PRODUCTS	50,835	50,537	298	50,835	50,537	298
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	1,035,088	205,960	829,128	1,035,088	205,960	829,128
NON-METALLIC MIN. EX. FUELS	11,196,055	11,196,055	0	11,196,055	11,196,055	0
CHEMICALS & ALLIED PRODUCTS	632,618	14,709	617,909	632,618	14,709	617,909
PETROLEUM & COAL PRODUCTS	6,734,169	227,284	6,506,885	6,734,169	227,284	6,506,885
OTHER	23,524,032	23,283,418	240,614	23,524,032	23,283,418	240,614
TOTAL	47,518,283	37,932,437	9,585,846	47,518,283	37,932,437	9,585,846

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	12,629	0	12,629	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	81,756	2,282	79,474
OTHER	0	0	0	0	0	0
TOTAL	12,629	0	12,629	81,756	2,282	79,474
GREAT LAKES ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	152	152	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	227,853	227,853	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	228,005	228,005	0	0	0	0
GREAT LAKES GULF INLAND WATERWAYS						
FARM PRODUCTS	6,039	6,039	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	9,948	9,948	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	640,570	640,570	0
CHEMICALS & ALLIED PRODUCTS	43,494	1,125	42,369	869,243	44,171	825,072
PETROLEUM & COAL PRODUCTS	56,686	33,681	23,005	743,179	38,851	704,328
OTHER	307,079	271,015	36,064	98,583	95,416	3,167
TOTAL	413,298	311,860	101,438	2,361,523	828,956	1,532,567

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES						
LOWER MISSISSIPPI						
FARM PRODUCTS	438,482	438,482	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	6,755	6,755	0	11,234	11,234	0
CRUDE PETROLEUM	0	0	0	26,657	0	26,657
NON-METALLIC MIN. EX. FUELS	0	0	0	81,481	80,022	1,459
CHEMICALS & ALLIED PRODUCTS	71,208	2,944	68,264	824,252	42,217	782,035
PETROLEUM & COAL PRODUCTS	151,459	36,885	114,574	932,804	463,943	468,861
OTHER	865,206	800,432	64,774	1,239,426	1,220,062	19,364
TOTAL	1,533,110	1,285,498	247,612	3,115,854	1,817,478	1,298,376
GREAT LAKES						
UPPER MISSISSIPPI						
FARM PRODUCTS	4,495	4,495	0	26,227	26,227	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2,807	2,807	0	2,821,249	2,821,249	0
CRUDE PETROLEUM	9,652	0	9,652	0	0	0
NON-METALLIC MIN. EX. FUELS	821,325	821,325	0	1,176,912	1,176,912	0
CHEMICALS & ALLIED PRODUCTS	63,833	2,837	60,996	183,685	2,850	180,835
PETROLEUM & COAL PRODUCTS	130,673	1,412	129,261	613,830	248,361	365,469
OTHER	1,404,012	425,875	978,137	480,237	469,705	10,532
TOTAL	2,436,797	1,258,751	1,178,046	5,302,140	4,745,304	556,836
GREAT LAKES						
OHIO & TRIBUTARIES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	1,550	1,550	0	57,610	57,610	0
CRUDE PETROLEUM	34,316	0	34,316	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	8,362	8,362	0
CHEMICALS & ALLIED PRODUCTS	36,107	1,400	34,707	84,745	2,800	81,945
PETROLEUM & COAL PRODUCTS	109,275	38,329	70,946	21,874	0	21,874
OTHER	60,285	60,285	0	154,407	154,407	0
TOTAL	241,533	101,564	139,969	326,998	223,179	103,819

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1978

(SHORT TONS)

TOTAL FOR GREAT LAKES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	449,016	449,016	0	26,227	26,227	0
MARINE PRODUCTS	152	152	0	0	0	0
COAL	11,112	11,112	0	2,900,041	2,900,041	0
CRUDE PETROLEUM	43,968	0	43,968	26,657	0	26,657
NON-METALLIC MIN. EX. FUELS	1,049,178	1,049,178	0	1,907,325	1,905,866	1,459
CHEMICALS & ALLIED PRODUCTS	227,271	8,306	218,965	1,961,925	92,038	1,869,887
PETROLEUM & COAL PRODUCTS	448,093	110,307	337,786	2,393,443	753,437	1,640,006
OTHER	2,636,582	1,557,607	1,078,975	1,972,653	1,939,590	33,063
TOTAL	4,865,372	3,185,678	1,679,694	11,188,271	7,617,199	3,571,072

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U.S. INLAND WATERWAYS COMMERCE BY SHIPPING AREA AND TYPE OF VESSEL FOR 1979 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
DRY	8.259.913	528.007	1.730.150	4.760.563	112.989	161.734	44.363	447.412	274.100	200.595
TANK	16.487.390	9.797.795	495.544	863.630	300.423	0	1.390	3.722.882	1.305.726	0
TOTAL SELF-PROP.	24.747.303	10.325.802	2.225.694	5.624.193	413.412	161.734	45.753	4.170.294	1.579.826	200.595
DRY	343.966.644	8.285.167	13.176.905	38.838.856	41.980.816	67.070.684	134.212.166	778.756	36.300.942	3.322.352
TANK	253.730.198	51.022.017	43.641.978	74.883.305	48.469.273	8.904.874	15.420.702	396.783	9.491.665	1.499.601
TOTAL NON-SELF-PROP.	597.696.842	59.307.184	56.818.883	113.722.161	90.450.089	75.975.558	149.632.868	1.175.539	45.792.607	4.321.953
TOTAL SHIPPING	622.444.145	69.632.986	59.044.577	119.346.354	90.863.501	76.137.292	149.678.621	5.345.833	47.372.433	5.022.548

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

MICROFILMED FROM BEST AVAILABLE COPY

U.S. INLAND WATERWAYS COMMERCE BY RECEIVING AREA AND TYPE OF VESSEL FOR 1979 *

SHORT TONS

	TOTAL TONS	NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
DRY	8.259.913	516.328	1.946.784	4.673.034	195.143	169.000	36.862	447.412	274.100	1.250
TANK	16.487.390	9.840.683	452.656	863.672	298.799	0	2.972	3.722.882	1.305.726	0
TOTAL SELF-PROP.	24.747.303	10.357.011	2.399.440	5.536.706	493.942	169.000	39.834	4.170.294	1.579.826	1.250
DRY	343.966.644	9.142.343	13.969.577	36.185.555	105.649.008	25.705.461	108.178.507	778.756	36.300.942	8.056.495
TANK	253.730.198	52.774.695	42.870.053	58.333.830	52.262.459	10.707.438	23.827.823	396.783	9.491.665	3.065.452
TOTAL NON-SELF-PROP.	597.696.842	61.917.038	56.839.630	94.519.385	157.911.467	36.412.899	132.006.330	1.175.539	45.792.607	11.121.947
TOTAL RECEIVING	622.444.145	72.274.049	59.239.070	100.056.091	158.405.409	36.581.899	132.046.164	5.345.833	47.372.433	11.123.197

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

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U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN TANK VESSELS FOR 1979 *

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	60.819.812	56.569.432	4.163.405	0	0	0	0	0	0	86.975
ATL. I.W.	44.137.522	6.045.946	38.091.576	0	0	0	0	0	0	0
GULF I.W.	75.746.935	0	1.000.185	48.799.633	19.470.800	1.205.840	3.939.186	0	0	1.331.291
LOWER MISS.	48.769.696	0	66.100	9.269.201	28.833.734	3.077.060	6.527.464	0	0	996.137
UPPER MISS.	8.904.874	0	0	277.422	2.028.538	5.307.944	893.050	0	0	397.920
OHIO & TRIB.	15.422.092	0	1.443	609.950	1.646.491	587.421	12.323.658	0	0	253.129
CALIFORNIA	4.119.665	0	0	0	0	0	0	4.119.665	0	0
PACIFIC N.W.	10.797.391	0	0	0	0	0	0	0	10.797.391	0
GREAT LAKES	1.499.601	0	0	241.296	581.695	529.173	147.437	0	0	0
TOTAL TANK VESSELS	270.217.588	62.615.378	43.322.709	59.197.502	52.561.258	10.707.438	23.830.795	4.119.665	10.797.391	3.065.452

U.S. INLAND WATERWAYS COMMERCE BETWEEN AREAS IN DRY VESSELS FOR 1979 *

SHORT TONS

SHIPPING	TOTAL TONS	RECEIVING: NORTH EASTERN	ATLANTIC I.W.	GULF I.W.	LOWER MISS.	UPPER MISS.	OHIO & TRIB.	CALIFORNIA	PACIFIC N.W.	GREAT LAKES
N. EASTERN	8.813.174	8.793.744	19.430	0	0	0	0	0	0	0
ATL. I.W.	14.907.055	864.927	14.010.033	31.295	0	650	150	0	0	0
GULF I.W.	43.599.419	0	307.235	34.925.181	4.063.169	1.371.564	2.303.321	0	0	628.949
LOWER MISS.	42.093.805	0	100.917	2.020.764	27.855.425	4.652.904	5.847.258	0	0	1.616.537
UPPER MISS.	67.232.418	0	0	956.242	43.968.624	15.943.041	996.734	0	0	5.367.777
OHIO & TRIB.	134.256.529	0	1.278.151	2.393.222	28.651.676	2.601.306	98.887.692	0	0	444.482
CALIFORNIA	1.226.168	0	0	0	0	0	0	1.226.168	0	0
PACIFIC N.W.	36.575.042	0	0	0	0	0	0	0	36.575.042	0
GREAT LAKES	3.522.947	0	200.595	531.885	1.305.257	1.304.996	180.214	0	0	0
TOTAL DRY VESSELS	352.226.557	9.658.671	15.916.361	40.858.589	105.844.151	25.874.461	108.215.369	1.226.168	36.575.042	8.057.745

* INCLUDES GOVERNMENT MATERIALS TRANSPORTED FOR WATERWAYS IMPROVEMENTS. DOES NOT INCLUDE CARGO CARRIED BY TOWBOATS NOR CARGO CARRIED IN NONCONTIGUOUS AREAS.

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR NORTH EASTERN	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	76,822	76,822	0	76,822	76,822	0
MARINE PRODUCTS	459,258	459,258	0	447,575	447,575	0
COAL	531,177	531,177	0	1,376,122	1,376,122	0
CRUDE PETROLEUM	2,488,135	0	2,488,135	4,683,681	0	4,683,681
NON-METALLIC MIN. EX. FUELS	4,504,629	4,345,925	158,704	4,504,629	4,345,925	158,704
CHEMICALS & ALLIED PRODUCTS	408,674	8,840	399,834	425,755	19,526	406,229
PETROLEUM & COAL PRODUCTS	50,016,618	15,682	50,000,936	49,358,699	12,647	49,346,052
OTHER	11,147,673	3,375,470	7,772,203	11,400,766	3,330,054	8,070,712
TOTAL	69,632,986	8,813,174	60,819,812	72,274,049	9,608,671	62,665,378

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
NORTH EASTERN						
NORTH EASTERN						
FARM PRODUCTS	76,822	76,822	0	76,822	76,822	0
MARINE PRODUCTS	446,516	446,516	0	446,516	446,516	0
COAL	531,177	531,177	0	531,177	531,177	0
CRUDE PETROLEUM	2,406,436	0	2,406,436	2,406,436	0	2,406,436
NON-METALLIC MIN. EX. FUELS	4,504,629	4,345,925	158,704	4,504,629	4,345,925	158,704
CHEMICALS & ALLIED PRODUCTS	236,296	8,840	227,456	236,296	8,840	227,456
PETROLEUM & COAL PRODUCTS	46,016,396	11,763	46,004,633	46,016,396	11,763	46,004,633
OTHER	11,144,904	3,372,701	7,772,203	11,144,904	3,372,701	7,772,203
TOTAL	65,363,176	8,793,744	56,569,432	65,363,176	8,793,744	56,569,432
NORTH EASTERN						
ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	12,742	12,742	0	1,059	1,059	0
COAL	0	0	0	844,945	844,945	0
CRUDE PETROLEUM	81,699	0	81,699	2,277,245	0	2,277,245
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	172,378	0	172,378	189,459	10,686	178,773
PETROLEUM & COAL PRODUCTS	3,913,247	3,919	3,909,328	3,342,303	884	3,341,419
OTHER	2,769	2,769	0	255,862	7,353	248,509
TOTAL	4,182,835	19,430	4,163,405	6,910,873	864,927	6,045,946
NORTH EASTERN						
GREAT LAKES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	86,975	0	86,975	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	86,975	0	86,975	0	0	0

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR ATLANTIC INLAND WATERWAYS	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	425,474	425,474	0	425,474	425,474	0
MARINE PRODUCTS	1,416,046	1,416,046	0	1,427,867	1,427,867	0
COAL	3,498,849	3,473,468	25,381	4,333,193	4,304,869	28,324
CRUDE PETROLEUM	12,512,139	0	12,512,139	10,318,891	0	10,318,891
NON-METALLIC MIN. EX. FUELS	5,492,467	4,946,783	545,684	5,694,312	5,118,628	575,684
CHEMICALS & ALLIED PRODUCTS	2,691,473	1,222,762	1,468,711	2,944,653	1,215,942	1,728,711
PETROLEUM & COAL PRODUCTS	29,406,978	306,325	29,100,653	30,774,014	309,360	30,464,654
OTHER	3,601,151	3,116,197	484,954	3,320,666	3,084,221	236,445
TOTAL	59,044,577	14,907,055	44,137,522	59,239,070	15,886,361	43,352,709

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	1,059	1,059	0	12,742	12,742	0
COAL	844,945	844,945	0	0	0	0
CRUDE PETROLEUM	2,277,245	0	2,277,245	81,699	0	81,699
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	189,459	10,686	178,773	172,378	0	172,378
PETROLEUM & COAL PRODUCTS	3,342,303	884	3,341,419	3,913,247	3,919	3,909,328
OTHER	255,862	7,353	248,509	2,769	2,769	0
TOTAL	6,910,873	864,927	6,045,946	4,182,835	19,430	4,163,405
ATLANTIC INLAND WATERWAYS ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	425,474	425,474	0	425,474	425,474	0
MARINE PRODUCTS	1,414,975	1,414,975	0	1,414,975	1,414,975	0
COAL	2,652,456	2,627,075	25,381	2,652,456	2,627,075	25,381
CRUDE PETROLEUM	10,234,894	0	10,234,894	10,234,894	0	10,234,894
NON-METALLIC MIN. EX. FUELS	5,492,467	4,946,783	545,684	5,492,467	4,946,783	545,684
CHEMICALS & ALLIED PRODUCTS	2,502,014	1,212,076	1,289,938	2,502,014	1,212,076	1,289,938
PETROLEUM & COAL PRODUCTS	26,064,675	305,441	25,759,234	26,064,675	305,441	25,759,234
OTHER	3,314,654	3,078,209	236,445	3,314,654	3,078,209	236,445
TOTAL	52,101,609	14,010,033	38,091,576	52,101,609	14,010,033	38,091,576
ATLANTIC INLAND WATERWAYS GULF INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	12	12	0	0	0	0
COAL	1,448	1,448	0	301,626	300,126	1,500
CRUDE PETROLEUM	0	0	0	2,298	0	2,298
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	204,161	3,866	300,295
PETROLEUM & COAL PRODUCTS	0	0	0	796,092	0	796,092
OTHER	29,835	29,835	0	3,243	3,243	0
TOTAL	31,295	31,295	0	1,307,420	307,235	1,300,185

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS LOWER MISSISSIPPI						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	99.517	99.517	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	1.400	1.400	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	66.100	0	66.100
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	167.017	100.917	66.100
ATLANTIC INLAND WATERWAYS UPPER MISSISSIPPI						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	650	650	0	0	0	0
TOTAL	650	650	0	0	0	0
ATLANTIC INLAND WATERWAYS OHIO & TRIBUTARIES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	1,279.594	1,278.151	1.443
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	150	150	0	0	0	0
TOTAL	150	150	0	1,279.594	1,278.151	1.443

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
ATLANTIC INLAND WATERWAYS GREAT LAKES						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	150	150	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	200.445	200.445	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	200.595	200.595	0

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR GULF INLAND WATERWAYS	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	1,167,071	1,162,815	4,256	1,201,216	1,196,960	4,256
MARINE PRODUCTS	9,111,525	8,873,274	238,251	8,314,231	8,146,980	167,251
COAL	7,583,964	7,571,126	12,838	8,968,664	8,955,560	13,104
CRUDE PETROLEUM	23,211,550	110,462	23,101,088	18,254,374	56,643	18,197,731
NON-METALLIC MIN. EX. FUELS	14,342,658	11,189,921	3,152,737	9,223,761	7,542,753	1,681,008
CHEMICALS & ALLIED PRODUCTS	16,113,608	1,868,752	14,244,856	11,632,658	980,356	10,652,302
PETROLEUM & COAL PRODUCTS	34,529,573	1,095,831	33,433,742	27,992,812	1,139,949	26,852,863
OTHER	13,286,405	11,727,238	1,559,167	14,468,375	12,839,388	1,628,987
TOTAL	119,346,354	43,599,419	75,746,935	100,056,091	40,838,589	59,217,502

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS						
ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	12	12	0
COAL	301,626	300,126	1,500	1,448	1,448	0
CRUDE PETROLEUM	2,298	0	2,298	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	204,161	3,866	200,295	0	0	0
PETROLEUM & COAL PRODUCTS	796,092	0	796,092	0	0	0
OTHER	3,243	3,243	0	29,835	29,835	0
TOTAL	1,307,420	307,235	1,000,185	31,295	31,295	0
GULF INLAND WATERWAYS						
GULF INLAND WATERWAYS						
FARM PRODUCTS	702,422	698,166	4,256	702,422	698,166	4,256
MARINE PRODUCTS	8,313,012	8,145,761	167,251	8,313,012	8,145,761	167,251
COAL	7,210,423	7,199,085	11,338	7,210,423	7,199,085	11,338
CRUDE PETROLEUM	16,224,837	54,498	16,170,339	16,224,837	54,498	16,170,339
NON-METALLIC MIN. EX. FUELS	8,677,011	7,068,181	1,608,830	8,677,011	7,068,181	1,608,830
CHEMICALS & ALLIED PRODUCTS	9,026,316	783,776	8,242,540	9,026,316	783,776	8,242,540
PETROLEUM & COAL PRODUCTS	21,831,864	710,695	21,121,169	21,831,864	710,695	21,121,169
OTHER	11,738,929	10,265,019	1,473,910	11,738,929	10,265,019	1,473,910
TOTAL	83,724,814	34,925,181	48,799,633	83,724,814	34,925,181	48,799,633
GULF INLAND WATERWAYS						
LOWER MISSISSIPPI						
FARM PRODUCTS	463,394	463,394	0	168,914	168,914	0
MARINE PRODUCTS	773,088	702,088	71,000	1,207	1,207	0
COAL	71,915	71,915	0	351,586	351,586	0
CRUDE PETROLEUM	6,904,642	55,964	6,848,678	2,013,362	2,145	2,011,217
NON-METALLIC MIN. EX. FUELS	2,587,103	1,090,477	1,496,626	232,609	166,128	66,481
CHEMICALS & ALLIED PRODUCTS	3,081,449	519,627	2,561,822	2,212,087	190,364	2,021,723
PETROLEUM & COAL PRODUCTS	8,706,111	278,544	8,427,567	5,249,431	173,188	5,076,243
OTHER	946,267	881,160	65,107	1,060,769	967,232	93,537
TOTAL	23,533,969	4,063,169	19,470,800	11,289,965	2,020,764	9,269,201

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GULF INLAND WATERWAYS UPPER MISSISSIPPI						
FARM PRODUCTS	1,255	1,255	0	261,679	261,679	0
MARINE PRODUCTS	13,417	13,417	0	0	0	0
COAL	0	0	0	35,837	35,837	0
CRUDE PETROLEUM	10,162	0	10,162	16,175	0	16,175
NON-METALLIC MIN. EX. FUELS	1,123,370	1,117,361	6,009	295,999	294,502	1,497
CHEMICALS & ALLIED PRODUCTS	649,099	123,555	525,544	62,993	0	62,993
PETROLEUM & COAL PRODUCTS	658,683	8,863	649,820	284,276	107,066	177,210
OTHER	121,418	107,113	14,305	276,705	257,158	19,547
TOTAL	2,577,404	1,371,564	1,205,840	1,233,664	956,242	277,422
GULF INLAND WATERWAYS OHIO & TRIBUTARIES						
FARM PRODUCTS	0	0	0	64,200	64,200	0
MARINE PRODUCTS	12,008	12,008	0	0	0	0
COAL	0	0	0	1,364,011	1,362,245	1,766
CRUDE PETROLEUM	69,611	0	69,611	0	0	0
NON-METALLIC MIN. EX. FUELS	1,405,502	1,368,528	36,974	18,142	13,942	4,200
CHEMICALS & ALLIED PRODUCTS	2,493,201	417,401	2,075,800	273,844	3,193	270,651
PETROLEUM & COAL PRODUCTS	1,845,891	94,935	1,750,956	436,679	108,787	327,892
OTHER	416,294	410,449	5,845	846,296	840,855	5,441
TOTAL	6,242,507	2,303,321	3,939,186	3,003,172	2,393,222	609,950
GULF INLAND WATERWAYS GREAT LAKES						
FARM PRODUCTS	0	0	0	4,001	4,001	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	5,359	5,359	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	549,672	545,374	4,298	0	0	0
CHEMICALS & ALLIED PRODUCTS	659,382	20,527	638,855	57,418	3,023	54,395
PETROLEUM & COAL PRODUCTS	690,932	2,794	688,138	190,562	40,213	150,349
OTHER	60,254	60,254	0	515,841	479,269	36,572
TOTAL	1,960,240	628,949	1,331,291	773,181	531,085	241,296

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR LOWER MISSISSIPPI	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	6,451,221	6,436,253	14,968	45,082,552	44,981,177	101,375
MARINE PRODUCTS	1,757	1,757	0	773,638	702,638	71,000
COAL	5,030,204	5,015,645	14,559	27,290,769	27,261,924	28,845
CRUDE PETROLEUM	9,193,287	92,133	9,101,154	13,477,664	142,952	13,334,712
NON-METALLIC MIN. EX. FUELS	13,772,365	12,494,596	1,277,769	16,391,576	13,815,347	2,576,229
CHEMICALS & ALLIED PRODUCTS	15,456,017	5,718,365	9,737,652	8,624,413	1,906,168	6,718,245
PETROLEUM & COAL PRODUCTS	29,450,868	1,867,617	27,583,251	29,608,966	1,300,751	28,308,215
OTHER	11,507,782	10,467,439	1,040,343	17,155,831	15,733,174	1,422,657
TOTAL	90,863,501	42,093,805	48,769,696	158,405,409	105,234,151	52,171,258

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	99,517	99,517	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	1,400	1,400	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	66,100	0	66,100	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	167,017	100,917	66,100	0	0	0
LOWER MISSISSIPPI GULF INLAND WATERWAYS						
FARM PRODUCTS	168,914	168,914	0	463,394	463,394	0
MARINE PRODUCTS	1,207	1,207	0	773,088	702,088	71,000
COAL	351,586	351,586	0	71,915	71,915	0
CRUDE PETROLEUM	2,013,362	2,145	2,011,217	6,904,642	55,964	6,848,678
NON-METALLIC MIN. EX. FUELS	232,609	166,128	66,481	2,587,103	1,090,477	1,496,626
CHEMICALS & ALLIED PRODUCTS	2,212,087	190,364	2,021,723	3,081,449	519,627	2,561,822
PETROLEUM & COAL PRODUCTS	5,249,431	173,188	5,076,243	8,706,111	278,544	8,427,567
OTHER	1,060,769	967,232	93,537	946,267	881,160	65,107
TOTAL	11,289,965	2,020,764	9,269,201	23,533,969	4,063,169	19,470,800
LOWER MISSISSIPPI LOWER MISSISSIPPI						
FARM PRODUCTS	6,218,524	6,203,556	14,968	6,218,524	6,203,556	14,968
MARINE PRODUCTS	550	550	0	550	550	0
COAL	3,772,073	3,757,514	14,559	3,772,073	3,757,514	14,559
CRUDE PETROLEUM	6,549,922	86,988	6,462,934	6,549,922	86,988	6,462,934
NON-METALLIC MIN. EX. FUELS	11,603,434	10,549,329	1,054,105	11,603,434	10,549,329	1,054,105
CHEMICALS & ALLIED PRODUCTS	5,001,989	1,297,267	3,704,722	5,001,989	1,297,267	3,704,722
PETROLEUM & COAL PRODUCTS	17,536,022	495,922	17,040,100	17,536,022	495,922	17,040,100
OTHER	6,006,645	5,464,299	542,346	6,006,645	5,464,299	542,346
TOTAL	56,689,159	27,855,425	28,833,734	56,689,159	27,855,425	28,833,734

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
LOWER MISSISSIPPI UPPER MISSISSIPPI						
FARM PRODUCTS	50,472	50,472	0	33,117,236	33,048,237	68,999
MARINE PRODUCTS	0	0	0	0	0	0
COAL	501,490	501,490	0	4,390,070	4,390,070	0
CRUDE PETROLEUM	220,964	3,000	217,964	4,136	0	4,136
NON-METALLIC MIN. EX. FUELS	1,180,154	1,180,154	0	232,195	210,698	21,497
CHEMICALS & ALLIED PRODUCTS	3,393,448	1,844,712	1,548,736	163,989	22,323	141,666
PETROLEUM & COAL PRODUCTS	1,501,394	511,793	989,601	1,594,552	365,002	1,229,550
OTHER	882,042	561,283	320,759	6,494,984	5,932,294	562,690
TOTAL	7,729,964	4,652,904	3,077,060	45,997,162	43,968,624	2,028,538
LOWER MISSISSIPPI OHIO & TRIBUTARIES						
FARM PRODUCTS	13,311	13,311	0	4,966,374	4,950,358	16,016
MARINE PRODUCTS	0	0	0	0	0	0
COAL	279,812	279,812	0	19,051,726	19,037,440	14,286
CRUDE PETROLEUM	409,039	0	409,039	0	0	0
NON-METALLIC MIN. EX. FUELS	608,770	451,587	157,183	1,968,844	1,964,843	4,001
CHEMICALS & ALLIED PRODUCTS	4,017,401	2,351,167	1,666,234	249,061	55,583	193,478
PETROLEUM & COAL PRODUCTS	4,546,729	305,001	4,241,728	1,372,098	128,711	1,243,387
OTHER	2,499,660	2,446,380	53,280	2,690,064	2,514,741	175,323
TOTAL	12,374,722	5,847,258	6,527,464	30,298,167	28,651,676	1,646,491
LOWER MISSISSIPPI GREAT LAKES						
FARM PRODUCTS	0	0	0	317,024	315,632	1,392
MARINE PRODUCTS	0	0	0	0	0	0
COAL	25,726	25,726	0	4,985	4,985	0
CRUDE PETROLEUM	0	0	0	18,964	0	18,964
NON-METALLIC MIN. EX. FUELS	145,998	145,998	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	764,992	34,855	730,137	127,925	11,388	116,537
PETROLEUM & COAL PRODUCTS	617,292	381,713	235,579	400,183	32,572	367,611
OTHER	1,058,666	1,028,245	30,421	1,017,871	940,680	77,191
TOTAL	2,612,674	1,616,537	996,137	1,886,952	1,305,257	581,695

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR UPPER MISSISSIPPI	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	34,095,938	34,026,939	68,999	423,215	423,215	0
MARINE PRODUCTS	256	256	0	13,673	13,673	0
COAL	14,007,865	14,005,004	2,861	9,019,934	9,014,063	5,871
CRUDE PETROLEUM	73,049	0	73,049	262,606	3,000	259,606
NON-METALLIC MIN. EX. FUELS	9,847,929	9,811,580	36,349	11,119,600	11,097,577	22,023
CHEMICALS & ALLIED PRODUCTS	1,054,249	67,617	986,632	4,773,318	2,000,980	2,772,338
PETROLEUM & COAL PRODUCTS	8,064,761	977,050	7,087,711	7,847,191	759,717	7,087,474
OTHER	8,993,245	8,343,972	649,273	3,122,362	2,532,236	590,126
TOTAL	76,137,292	67,232,418	8,904,874	36,581,899	25,874,461	10,707,438

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	650	650	0
TOTAL	0	0	0	650	650	0
UPPER MISSISSIPPI GULF INLAND WATERWAYS						
FARM PRODUCTS	261,679	261,679	0	1,255	1,255	0
MARINE PRODUCTS	0	0	0	13,417	13,417	0
COAL	35,837	35,837	0	0	0	0
CRUDE PETROLEUM	16,175	0	16,175	10,162	0	10,162
NON-METALLIC MIN. EX. FUELS	295,999	294,502	1,497	1,123,370	1,117,361	6,009
CHEMICALS & ALLIED PRODUCTS	62,993	0	62,993	649,099	123,555	525,544
PETROLEUM & COAL PRODUCTS	284,276	107,066	177,210	658,683	8,863	649,820
OTHER	276,705	257,158	19,547	121,418	107,113	14,305
TOTAL	1,233,664	956,242	277,422	2,577,404	1,371,564	1,205,840
UPPER MISSISSIPPI LOWER MISSISSIPPI						
FARM PRODUCTS	33,117,236	33,048,237	68,999	50,472	50,472	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	4,390,070	4,390,070	0	501,490	501,490	0
CRUDE PETROLEUM	4,136	0	4,136	220,964	3,000	217,964
NON-METALLIC MIN. EX. FUELS	232,195	210,698	21,497	1,180,154	1,180,154	0
CHEMICALS & ALLIED PRODUCTS	163,989	22,323	141,666	3,393,448	1,844,712	1,548,736
PETROLEUM & COAL PRODUCTS	1,594,552	365,002	1,229,550	1,501,394	511,793	989,601
OTHER	6,494,984	5,932,294	562,690	882,042	561,283	320,759
TOTAL	45,997,162	43,968,624	2,028,538	7,729,964	4,652,904	3,077,060

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
UPPER MISSISSIPPI						
UPPER MISSISSIPPI						
FARM PRODUCTS	350,939	350,939	0	350,939	350,939	0
MARINE PRODUCTS	256	256	0	256	256	0
COAL	6,351,487	6,349,959	1,528	6,351,487	6,349,959	1,528
CRUDE PETROLEUM	31,480	0	31,480	31,480	0	31,480
NON-METALLIC MIN. EX. FUELS	7,928,964	7,918,315	10,649	7,928,964	7,918,315	10,649
CHEMICALS & ALLIED PRODUCTS	584,463	14,343	570,120	584,463	14,343	570,120
PETROLEUM & COAL PRODUCTS	4,895,945	227,150	4,668,795	4,895,945	227,150	4,668,795
OTHER	1,107,451	1,082,079	25,372	1,107,451	1,082,079	25,372
TOTAL	21,250,985	15,943,041	5,307,944	21,250,985	15,943,041	5,307,944
UPPER MISSISSIPPI						
OHIO & TRIBUTARIES						
FARM PRODUCTS	342,367	342,367	0	11,798	11,798	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	4,212	4,212	0	2,166,957	2,162,614	4,343
CRUDE PETROLEUM	21,258	0	21,258	0	0	0
NON-METALLIC MIN. EX. FUELS	62,856	62,856	0	1,478	1,478	0
CHEMICALS & ALLIED PRODUCTS	98,310	25,637	72,673	100,550	7,199	93,351
PETROLEUM & COAL PRODUCTS	797,066	34,952	762,114	491,128	1,401	489,727
OTHER	563,715	526,710	37,005	416,816	416,816	0
TOTAL	1,889,784	996,734	893,050	3,188,727	2,601,306	587,421
UPPER MISSISSIPPI						
GREAT LAKES						
FARM PRODUCTS	23,717	23,717	0	8,751	8,751	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	3,226,259	3,224,926	1,333	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	1,327,915	1,325,209	2,706	885,634	880,269	5,365
CHEMICALS & ALLIED PRODUCTS	144,494	5,314	139,180	45,758	11,171	34,587
PETROLEUM & COAL PRODUCTS	492,922	242,880	250,042	300,041	10,510	289,531
OTHER	550,390	545,731	4,659	593,985	394,295	199,690
TOTAL	5,765,697	5,367,777	397,920	1,834,169	1,304,996	529,173

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR OHIO & TRIBUTARIES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	5,126,794	5,110,778	16,016	441,642	441,642	0
MARINE PRODUCTS	0	0	0	12,008	12,008	0
COAL	102,302,834	102,249,065	53,769	78,510,641	78,478,710	31,931
CRUDE PETROLEUM	120,004	0	120,004	688,699	0	688,699
NON-METALLIC MIN. EX. FUELS	19,934,692	19,921,426	13,266	20,018,880	19,819,658	199,222
CHEMICALS & ALLIED PRODUCTS	3,081,147	140,509	2,940,638	8,986,438	2,866,296	6,120,142
PETROLEUM & COAL PRODUCTS	12,378,267	323,841	12,054,426	17,218,233	567,089	16,651,114
OTHER	6,734,883	6,510,910	223,973	6,169,623	6,029,966	139,657
TOTAL	149,678,621	134,256,529	15,422,092	132,046,164	108,215,369	23,330,795

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	1,279,594	1,278,151	1,443	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	150	150	0
TOTAL	1,279,594	1,278,151	1,443	150	150	0
OHIO & TRIBUTARIES GULF INLAND WATERWAYS						
FARM PRODUCTS	64,200	64,200	0	0	0	0
MARINE PRODUCTS	0	0	0	12,008	12,008	0
COAL	1,364,011	1,362,245	1,766	0	0	0
CRUDE PETROLEUM	0	0	0	69,611	0	69,611
NON-METALLIC MIN. EX. FUELS	18,142	13,942	4,200	1,405,502	1,368,528	36,974
CHEMICALS & ALLIED PRODUCTS	273,844	3,193	270,651	2,493,201	417,401	2,075,800
PETROLEUM & COAL PRODUCTS	436,679	108,787	327,892	1,845,891	94,935	1,750,956
OTHER	846,296	840,855	5,441	416,294	410,449	5,845
TOTAL	3,003,172	2,393,222	609,950	6,242,507	2,303,321	3,939,186
OHIO & TRIBUTARIES LOWER MISSISSIPPI						
FARM PRODUCTS	4,966,374	4,950,358	16,016	13,311	13,311	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	19,051,726	19,037,440	14,286	279,812	279,812	0
CRUDE PETROLEUM	0	0	0	409,039	0	409,039
NON-METALLIC MIN. EX. FUELS	1,968,844	1,964,843	4,001	608,770	451,587	157,183
CHEMICALS & ALLIED PRODUCTS	249,061	55,583	193,478	4,017,401	2,351,167	1,666,234
PETROLEUM & COAL PRODUCTS	1,372,098	128,711	1,243,387	4,546,729	305,001	4,241,728
OTHER	2,690,064	2,514,741	175,323	2,499,660	2,446,380	53,280
TOTAL	30,298,167	28,651,676	1,646,491	12,374,722	5,847,258	6,527,464

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
OHIO & TRIBUTARIES						
UPPER MISSISSIPPI						
FARM PRODUCTS	11,798	11,798	0	342,367	342,367	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	2,166,957	2,162,614	4,343	4,212	4,212	0
CRUDE PETROLEUM	0	0	0	21,258	0	21,258
NON-METALLIC MIN. EX. FUELS	1,478	1,478	0	62,856	62,856	0
CHEMICALS & ALLIED PRODUCTS	100,550	7,199	93,351	98,310	25,637	72,673
PETROLEUM & COAL PRODUCTS	491,128	1,401	489,727	797,066	34,952	762,114
OTHER	416,816	416,816	0	563,715	526,710	37,005
TOTAL	3,188,727	2,601,306	587,421	1,889,784	996,734	893,050
OHIO & TRIBUTARIES						
OHIO & TRIBUTARIES						
FARM PRODUCTS	84,422	84,422	0	84,422	84,422	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	78,226,617	78,194,686	31,931	78,226,617	78,194,686	31,931
CRUDE PETROLEUM	120,004	0	120,004	120,004	0	120,004
NON-METALLIC MIN. EX. FUELS	17,941,752	17,936,687	5,065	17,941,752	17,936,687	5,065
CHEMICALS & ALLIED PRODUCTS	2,362,085	72,091	2,289,994	2,362,085	72,091	2,289,994
PETROLEUM & COAL PRODUCTS	9,920,673	84,942	9,835,731	9,920,673	84,942	9,835,731
OTHER	2,555,797	2,514,864	40,933	2,555,797	2,514,864	40,933
TOTAL	111,211,350	98,887,692	12,323,658	111,211,350	98,887,692	12,323,658
OHIO & TRIBUTARIES						
GREAT LAKES						
FARM PRODUCTS	0	0	0	1,542	1,542	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	213,929	213,929	0	0	0	0
CRUDE PETROLEUM	0	0	0	68,787	0	68,787
NON-METALLIC MIN. EX. FUELS	4,476	4,476	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	95,607	2,443	93,164	15,441	0	15,441
PETROLEUM & COAL PRODUCTS	157,689	0	157,689	107,874	47,259	60,615
OTHER	225,910	223,634	2,276	134,007	131,413	2,594
TOTAL	697,611	444,482	253,129	327,651	180,214	147,437

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR CALIFORNIA	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	3,280,887	0	3,280,887	3,280,887	0	3,280,887
NON-METALLIC MIN. EX. FUELS	719,702	719,702	0	719,702	719,702	0
CHEMICALS & ALLIED PRODUCTS	30,249	16,320	13,929	30,249	16,320	13,929
PETROLEUM & COAL PRODUCTS	828,837	3,988	824,849	828,837	3,988	824,849
OTHER	486,158	486,158	0	486,158	486,158	0
TOTAL	5,345,833	1,226,168	4,119,665	5,345,833	1,226,168	4,119,665

CALIFORNIA - CALIFORNIA	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	3,280,887	0	3,280,887	3,280,887	0	3,280,887
NON-METALLIC MIN. EX. FUELS	719,702	719,702	0	719,702	719,702	0
CHEMICALS & ALLIED PRODUCTS	30,249	16,320	13,929	30,249	16,320	13,929
PETROLEUM & COAL PRODUCTS	828,837	3,988	824,849	828,837	3,988	824,849
OTHER	486,158	486,158	0	486,158	486,158	0
TOTAL	5,345,833	1,226,168	4,119,665	5,345,833	1,226,168	4,119,665

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

PACIFIC NORTHWEST PACIFIC NORTHWEST	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	4,417,159	2,998,547	1,418,612	4,417,159	2,998,547	1,418,612
MARINE PRODUCTS	148,983	148,933	50	148,983	148,933	50
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	1,789,134	476,591	1,312,543	1,789,134	476,591	1,312,543
NON-METALLIC MIN. EX. FUELS	9,650,514	9,577,993	72,521	9,650,514	9,577,993	72,521
CHEMICALS & ALLIED PRODUCTS	602,420	10,874	591,546	602,420	10,874	591,546
PETROLEUM & COAL PRODUCTS	7,746,801	622,065	7,124,736	7,746,801	622,065	7,124,736
OTHER	23,017,422	22,740,039	277,383	23,017,422	22,740,039	277,383
TOTAL	47,372,433	36,575,042	10,797,391	47,372,433	36,575,042	10,797,391

TOTAL FOR PACIFIC NORTHWEST	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	4,417,159	2,998,547	1,418,612	4,417,159	2,998,547	1,418,612
MARINE PRODUCTS	148,983	148,933	50	148,983	148,933	50
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	1,789,134	476,591	1,312,543	1,789,134	476,591	1,312,543
NON-METALLIC MIN. EX. FUELS	9,650,514	9,577,993	72,521	9,650,514	9,577,993	72,521
CHEMICALS & ALLIED PRODUCTS	602,420	10,874	591,546	602,420	10,874	591,546
PETROLEUM & COAL PRODUCTS	7,746,801	622,065	7,124,736	7,746,801	622,065	7,124,736
OTHER	23,017,422	22,740,039	277,383	23,017,422	22,740,039	277,383
TOTAL	47,372,433	36,575,042	10,797,391	47,372,433	36,575,042	10,797,391

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

TOTAL FOR GREAT LAKES	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
FARM PRODUCTS	331,318	329,926	1,392	23,717	23,717	0
MARINE PRODUCTS	150	150	0	0	0	0
COAL	10,344	10,344	0	3,465,914	3,464,581	1,333
CRUDE PETROLEUM	87,751	0	87,751	0	0	0
NON-METALLIC MIN. EX. FUELS	1,086,079	1,080,714	5,365	2,028,061	2,021,057	7,004
CHEMICALS & ALLIED PRODUCTS	246,542	25,582	220,960	1,664,475	63,139	1,601,336
PETROLEUM & COAL PRODUCTS	998,660	130,554	868,106	2,045,810	627,387	1,418,423
OTHER	2,261,704	1,945,677	316,027	1,895,220	1,857,864	37,356
TOTAL	5,022,548	3,522,947	1,499,601	11,123,197	8,057,745	3,065,452

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES NORTH EASTERN						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	86.975	0	86.975
OTHER	0	0	0	0	0	0
TOTAL	0	0	0	86.975	0	86.975
GREAT LAKES ATLANTIC INLAND WATERWAYS						
FARM PRODUCTS	0	0	0	0	0	0
MARINE PRODUCTS	150	150	0	0	0	0
COAL	0	0	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	200.445	200.445	0	0	0	0
CHEMICALS & ALLIED PRODUCTS	0	0	0	0	0	0
PETROLEUM & COAL PRODUCTS	0	0	0	0	0	0
OTHER	0	0	0	0	0	0
TOTAL	200.595	200.595	0	0	0	0
GREAT LAKES GULF INLAND WATERWAYS						
FARM PRODUCTS	4.001	4.001	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	5.359	5.359	0	0	0	0
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	549.672	545.374	4.298
CHEMICALS & ALLIED PRODUCTS	57.418	3.023	54.395	659.382	20.527	638.855
PETROLEUM & COAL PRODUCTS	190.562	40.213	150.349	690.932	2.794	688.138
OTHER	515.841	479.289	36.552	60.254	60.254	0
TOTAL	773.181	531.885	241.296	1.960.240	628.949	1.331.291

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U.S. INLAND WATERWAYS COMMERCE BY AREA, COMMODITY AND TYPE OF VESSEL FOR 1979

(SHORT TONS)

	SHIPPING			RECEIVING		
	TOTAL	DRY	TANK	TOTAL	DRY	TANK
GREAT LAKES						
LOWER MISSISSIPPI						
FARM PRODUCTS	317,024	315,632	1,392	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	4,985	4,985	0	25,726	25,726	0
CRUDE PETROLEUM	18,964	0	18,964	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	145,998	145,998	0
CHEMICALS & ALLIED PRODUCTS	127,925	11,388	116,537	764,992	34,855	730,137
PETROLEUM & COAL PRODUCTS	400,183	32,572	367,611	617,292	381,713	235,579
OTHER	1,017,871	940,680	77,191	1,058,666	1,028,245	30,421
TOTAL	1,886,952	1,305,257	581,695	2,612,674	1,616,537	996,137
GREAT LAKES						
UPPER MISSISSIPPI						
FARM PRODUCTS	8,751	8,751	0	23,717	23,717	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	3,226,259	3,224,926	1,333
CRUDE PETROLEUM	0	0	0	0	0	0
NON-METALLIC MIN. EX. FUELS	885,634	880,269	5,365	1,327,915	1,325,209	2,706
CHEMICALS & ALLIED PRODUCTS	45,758	11,171	34,587	144,494	5,314	139,180
PETROLEUM & COAL PRODUCTS	300,041	10,510	289,531	492,922	242,880	250,042
OTHER	593,985	394,295	199,690	550,390	545,731	4,659
TOTAL	1,834,169	1,304,996	529,173	5,765,697	5,367,777	397,920
GREAT LAKES						
OHIO & TRIBUTARIES						
FARM PRODUCTS	1,542	1,542	0	0	0	0
MARINE PRODUCTS	0	0	0	0	0	0
COAL	0	0	0	213,929	213,929	0
CRUDE PETROLEUM	68,787	0	68,787	0	0	0
NON-METALLIC MIN. EX. FUELS	0	0	0	4,476	4,476	0
CHEMICALS & ALLIED PRODUCTS	15,441	0	15,441	95,607	2,443	93,164
PETROLEUM & COAL PRODUCTS	107,874	47,259	60,615	157,689	0	157,689
OTHER	134,007	131,413	2,594	225,910	223,634	2,276
TOTAL	327,651	180,214	147,437	697,611	444,482	253,129

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